64-02 & 64-06 QUEENS BOULEVARD

WOODSIDE, QUEENS, NEW YORK

Remedial Investigation Report

OER Project Number: 15EHAN504Q

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REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DCP	NYC Department of City Planning
DER-10	New York State Department of Environmental Conservation Technical Guide 10
GPS	Global Positioning System
GQS	Groundwater Quality Standard
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
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 OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
PCE	Tetrachloroethene
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database
VOC	Volatile Organic Compound

CERTIFICATION

I, Ben T. Cancemi, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 64-02 & 64-06 Queens Boulevard Site . 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.

April 4, 2016

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 Woodside section of Queens, New York and is identified as Block 2325 and Lot 32 on the New York City Tax Map. Figure 1.1.1 is a Site location map. The Site is 16,050-square feet and is bounded by Queens Boulevard to the north, residential buildings to the south, FDNY Rescue Co. 4 and Engine Co. 292 to the east, and 64th Street to the west. Currently, the Site is vacant and undeveloped. The former 11,000-square-foot one-story commercial building was demolished prior to the RI. Demolition was completed in January 2016 and included complete removal of the building, underlying concrete slab and associated footings. No basement was present. 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 eight-story building with a cellar and sub-cellar to a total depth of 20 feet below grade (fbg).

The layout of the proposed Site development is presented in Figure 1.2.1. The current zoning designation is R7X R4-1 with a C2-3 overlay which permits residential and retail commercial use.

The new building will be approximately 15,915 square feet. The cellar and sub-cellar will occupy the entire lot. An approximately 135 square feet area on the southeast corner of the Site is anticipated to be utilized as an outdoor sitting area at the first floor level and will not be developed above grade. The sub-cellar will contain parking and mechanical rooms. The cellar will contain hotel rooms, mechanical rooms, a lounge, a meeting room, and a terrace. The first floor (ground level) will contain a hotel lobby, hotel rooms, a buffet area, a pantry area, and mechanical rooms. The second and third floors will contain hotel rooms and mechanical rooms. The fourth floor will contain hotel rooms, residential apartments, and mechanical rooms. Floors

five through seven will contain residential apartments and mechanical rooms. The eighth floor will contain residential apartments, mechanical rooms, a recreation area, and a terrace. The building will contain 93 hotel rooms, 42 apartments, and three elevators; the total gross area of the building will be 94,524 square feet.

Development of the cellar and sub-cellar will include excavation across the entire Site to a depth of approximately 24 fbg to allow for construction of foundation elements. Approximately 14,150 cubic yards of soil will be excavated. Depth to groundwater is present at 26 to 28 fbg.

Summary of Past Uses of Site and Areas of Concern

The Site was developed prior to 1914 with railroad tracks on the southwest corner of the property. Between 1914 and 1932 a filling station consisting of a one-story garage, a one-story store building, and three gas tanks was developed on the western portion of the property, with the tanks located beneath the northwestern portion of the property. Between 1932 and 1951 a one-story lumber building was developed to the east of the filling station. The Site was redeveloped with a commercial building and parking lot in 1960. The property is currently owned by Queens Boulevard Ventures, LLC, which has owned the property since February 2015. The property was previously owned by various commercial entities. No industrial ownership is apparent.

The AOCs identified for this site include:

1. The northwest portion of the site where gasoline USTs and pumps were identified in a previous Phase I ESA
2. The presence of chlorinated VOCs in soil vapor was identified during a previous subsurface investigation.

Summary of the Work Performed under the Remedial Investigation

The following scope of work was performed as part of the RI:

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 six soil borings across the entire project Site, and collected 12 soil samples for chemical analysis from the soil borings to evaluate soil quality;

4. Installed three groundwater monitoring wells throughout the Site to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality;

5. Installed five soil vapor probes around Site perimeter and collected five samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property is approximately 50 feet above mean sea level.

2. Depth to groundwater ranges from 26.64 to 28.21 feet below grade at the Site.

3. Groundwater flow is generally from northeast to southwest beneath the Site.

4. Depth to bedrock is approximately 200 feet below grade at the Site.

5. The stratigraphy of the site, from the surface down, consists of five to ten feet of historic fill composed of a brown/ medium to fine-grained sand with angular gravel, silt, asphalt, and brick. This layer was underlain by an approximately 11.5 to 15-foot thick layer consisting of a brown/tan medium to fine-grained silty-sand with fine gravel. This layer was underlain by an approximately one to ten-foot thick layer consisting of a brown/tan sandy clay with some fine gravel

6. Soil/fill samples results were compared to New York State Department of Environmental Conservation (NYSDEC) Part 375 Table 375-6.8 Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (SCOs). Fill samples collected during the RI showed no exceedances for VOCs above the Unrestricted Use Track 1 SCOs, with the exception of acetone (71 ug/kg) in the shallow sample from boring SB-3. The 2014 investigation identified low concentrations of chlorinated solvents including methylene chloride (6.5 ug/kg) and PCE (26 ug/kg) in the area of the former parking lot. Several SVOCs were detected exceeding Restricted Residential Use SCOs in one shallow soil sample and included benzo(a)anthracene (6,300 ug/kg), benzo(a)pyrene (5,100 ug/kg), benzo(b)fluoranthene (6,400 ug/kg), chrysene (6,300 ug/kg), dibenzo(a,h)anthracene (1,300 ug/kg), and indeno(1,2,3-cd)pyrene (4,500 ug/kg). Benzo(k)fluoranthene (2,600 µg/kg) also exceeded the Unrestricted Use SCOs in one of the twelve soil samples collected. The maximum total concentration of SVOCs identified was 76,109 ug/kg. The metals including copper (maximum 66.5 mg/kg), lead (maximum 303 mg/kg), zinc

(maximum 282 mg/kg), and/or mercury (0.31 mg/kg) exceeded the Unrestricted Use SCOs in three of the twelve soil samples collected, but did not exceed the Restricted Residential Use SCOs. No pesticides or PCBs were detected in any of the soil samples. Overall, the soil chemistry is unremarkable and does not indicate any disposal.

7. Groundwater samples results were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Groundwater results showed no VOCs and SVOCs above GQSs. Several metals were identified but only magnesium, manganese, and sodium exceeded their GQS in both the unfiltered and dissolved-phase samples. No PCBs or pesticides were detected in any of the groundwater samples. Groundwater use is not contemplated at this Site.
8. Soil vapor samples collected during the RI showed several classes of VOCs consistent with the Site's history and location in an urban area, including low-level petroleum related compounds and variable concentrations of chlorinated solvents. In the 2014 study, PCE was identified at two locations above the NYSDOH 2006 Guidance thresholds for mitigation for sub-slab soil vapor concentrations with a maximum concentration of 330 ug/m^3. TCE was identified at one location at a concentration of 12 ug/m^3. In the 2016 study, PCE was detected in three of the five 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). Methyl ethyl ketone (2-butanone) was also identified in soil vapor in the 2016 study at concentrations ranging from 640 ug/m^3 to 2,200 ug/m^3. 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 64-02 & 64-06 Queens Boulevard, Woodside, New York (the Site). This project has been assigned OER Project number 15EHAN504Q 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 June 2015 Phase II ESI Work Plan report prepared by FPM Group, Ltd. in coordination with OER. The RI work was performed on February 3, 4, and 11, 2016. An E-Designation for Hazardous Materials (E-163) was placed on the Site by the New York City Department of City Planning (DCP) as part of the Maspeth/Woodside Rezoning (CEQR 06DCP065Q). 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 Woodside section of Queens, New York and is identified as Block 2325 and Lot 32 on the New York City Tax Map. Figure 1.1.1 is a Site location map. The Site is 16,050-square feet and is bounded by Queens Boulevard to the north, residential buildings to the south, FDNY Rescue Co. 4 and Engine Co. 292 to the east, and 64th Street to the west. Currently, the Site is vacant and undeveloped. The former 11,000-square-foot one-story commercial building was demolished prior to the RI. Demolition was completed in January 2016 and included the complete removal of the building, underlying concrete slab and associated footings. No basement was present. 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 eight-story building with a cellar and sub-cellar extending to a total depth of 20 feet below grade (fbg).

The layout of the proposed Site development is presented in Figure 1.2.1. The current zoning designation is R7X R4-1 with a C2-3 overlay which permits residential and retail commercial use.

The new building will be approximately 15,915 square feet and the cellar and sub-cellar will occupy the entire lot. An approximately 135 square feet area on the southeast corner of the Site is anticipated to be utilized as an outdoor sitting area at the first floor level and will not be developed above grade.. The sub-cellar will contain parking and mechanical rooms. The cellar will contain hotel rooms, mechanical rooms, a lounge, a meeting room, and a terrace. The first floor (ground level) will contain a hotel lobby, hotel rooms, a buffet area, a pantry area, and mechanical rooms. The second and third floors will contain hotel rooms and mechanical rooms. The fourth floor will contain hotel rooms, residential apartments, and mechanical rooms. Floors five through seven will contain residential apartments and mechanical rooms. The eighth floor will contain residential apartments, mechanical rooms, a recreation area, and a terrace. The building will contain 93 hotel rooms, 42 apartments, and three elevators; the total gross area of the building will be 94,524 square feet.

Development of the cellar and sub-cellar will include excavation across the entire Site to a depth of 24 fbg to allow for construction of foundation elements. Approximately 14,150 cubic yards of soil will be excavated. Depth to groundwater is present at 26 to 28 fbg.

1.3 Description of Surrounding Property

The Site is located in a neighborhood with commercial buildings, residential buildings, public facilities and institutions, transportation and utility buildings, open space and recreation areas, and parking areas. The properties in this area are typically zoned R7X with a C2-3 overlay, R4-1, and R5B. The Site is adjoined to the south by residential buildings. The Site is adjoined to the north by a Queens Motor Inn across Queens Boulevard. The Site is adjoined to the west by a residential building with commercial retail space on the first floor across 64th Street. The Site is adjoined to the east by the FDNY Rescue Co. 4 and Engine Co. 292.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

The Site was developed prior to 1914 with railroad tracks on the southwest corner of the property. Between 1914 and 1932 a filling station consisting of a one-story garage, a one-story store building, and three gas tanks was developed on the western portion of the property, with the tanks located beneath the northwestern portion of the property. Between 1932 and 1951 a one-story lumber building was developed to the east of the filling station. The Site was redeveloped with a commercial building and parking lot in 1960. The property is currently owned by Queens Blvd Ventures, LLC, which has owned the property since February 2015. The property was previously owned by various commercial entities. No industrial ownership is apparent.

2.2 Previous Investigations

The *Phase II Environmental Subsurface Investigation* was prepared by EEA Inc. dated May 28, 2004. Pertinent information obtained from this Phase II Investigation is summarized as follows:

- A previous Phase I ESA identified a permit issued for the Site for 10 gasoline USTs and 4 gasoline pumps located on the northwest portion of the Site.
- A magnetometer survey did not identify any USTs at the Site.
- The stratigraphy of the site, from the surface down, consists of 4 to 10 feet of historic fill, generally consisting of a brown fine to medium grained sand with varying amounts of gravel and brick, underlain by 2 to 12 feet of a brown fine to coarse grained sand with varying amounts of cobbles, gravel, and silt.
- Soil/fill samples collected during the Phase II Investigation showed no volatile organic compounds (VOCs) or semivolatile organic compounds (SVOCs) detected above Track 1 Unrestricted Use SCOs.

The *Phase II Subsurface Investigation* was prepared by Advanced Cleanup Technologies, Inc. dated September 3, 2014. Pertinent information obtained from this Phase II Investigation is summarized as follows:

- A geophysical survey of the parking lot did not identify any anomalies suggestive of USTs at the Site.
- The stratigraphy of the site, from the surface down, consists of a brown sand with varying amounts of gravel, silt, and clay.
- Soil/fill samples collected during the Phase II Investigation showed no VOCs detected above Track 1 Unrestricted Use SCOs, with the exception of acetone. The acetone detections were below the Track 2 Restricted Residential Use SCOs, and acetone was noted to be a common laboratory contaminant. Low level chlorinated solvents were identified in the soil samples. The metals cadmium, copper, lead, nickel, and zinc were the only metals detected above Track 1 Unrestricted Use SCOs. The metals detections were all below the Track 2 Restricted Residential Use SCOs. The metals detections were attributed to the presence of historic fill. No SVOCs, polychlorinated biphenyls (PCBs), or pesticides were detected above the Track 1 Unrestricted Use SCOs.
- Soil vapor samples collected during the Phase II Investigation showed three VOCs, PCE, TCE, and methylene chloride, detected at levels above the indoor air Air Guideline Values in the October 2006 New York State Department of Health (NYSDOH) "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York". The PCE and TCE detections were found at levels for which the NYSDOH would require no further action, monitoring, or mitigation (depending on the associated indoor air concentrations of PCE and TCE).

The Phase I report was prepared by FPM Group for Queens Boulevard Venture, LLC dated April 2015. This Phase I identified one recognized environmental condition (REC) and one historic recognized environmental condition (HREC):

- The Site is currently vacant and was most recently occupied as an Auto Barn auto parts store. Demolition of the former building and parking lot was initiated in August 2015 and completed in January 2016.
- The presence of tetrachloroethene (PCE), trichloroethene (TCE), and methylene chloride in the soil vapor below the parking lot, discussed below in Section 2.4, was identified as a REC.

- The presence of the former filling station and associated gasoline tanks, in conjunction with the 2004 and 2013 Phase II Investigations discussed below in Section 2.4, was identified as an HREC.

- Groundwater was estimated at a depth of 10 feet below grade (fbg) and generally flows to the west based upon published USGS reports, however subsurface investigations at the site have identified groundwater at depths ranging from approximately 20 to 28 feet below grade.

2.3 Site Inspection

A Site inspection was performed on March 16, 2015 by FPM Group. 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. The northwest portion of the site where gasoline USTs and pumps were identified in a previous Phase I ESA.

2. The presence of chlorinated VOCs in soil vapor were identified during a previous subsurface investigation.

Phase 1 Report is presented in Appendix 1. 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 RIR 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

The following scope of work was performed as part of the RI:

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 six soil borings across the entire project Site, and collected 12 soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed three groundwater monitoring wells throughout the Site to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed five soil vapor probes around Site perimeter and collected five samples for chemical analysis.

4.1 Geophysical Investigation

The geophysical survey was performed on February 3, 2016 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.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

A qualified environmental driller advanced six investigative borings (SB-1 through SB-6) at the locations shown on Figure 4.1.1. The soil boring work was performed on February 3 and 4, 2016 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 25 feet below grade, which is below the development depth, using a direct-push 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 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 ten feet thick, generally consisted of historic fill composed of a brown/ medium to fine-grained sand with angular gravel, silt, asphalt, and brick. This layer was underlain by an approximately 11.5 to 15-foot thick layer consisting of a brown/tan medium to fine-grained silty-sand with fine gravel. This layer was underlain by an approximately one to ten-foot thick layer consisting of a brown/tan sandy clay with some fine gravel. No PID responses, odors, or staining were noted in the borings.

Table 4.2.1: Construction Details for Soil Borings and Monitoring Wells

	Identification Number	Date of construction	Total Depth (feet)	Diameter (inches)	Top of casing relative elevation	Screened interval (Elevation Range)	Construction Material (PVC, steel, etc)
Soil Borings	SB-1 through SB-6	2/3-4/2016	25	2	NA	NA	NA
Monitoring Wells	MW-1	2/4/2016	30	1	50.00	20.00 - 30.00	PVC
	MW-2				47.40	17.40 – 27.40	
	MW-3				51.02	21.02 – 31.02	

Groundwater Monitoring Well Construction

Three temporary groundwater monitoring wells were installed on February 4, 2016 by inserting one-inch diameter PVC casing and 0.02-inch machine slotted screen an estimated five feet into the groundwater via the open boreholes. Monitoring well locations are shown in Figure 4.1.1. Construction information for the monitoring wells is included in Table 4.2.1. Groundwater was encountered at approximately 26 to 28 feet below grade and the wells were screened from 20 to 30 feet below grade. The annuli were backfilled with Morie #1 well gravel from approximately one foot below to approximately one foot above each screen. The sand pack above each screen was sealed with an overlying two-foot bentonite seal, and the balance of each annulus in the vadose zone was backfilled with sand to near grade. The top of each well was

capped with an expansion-fit locking well cap. The wells were then developed to allow for proper communication between the wells and shallow groundwater. The wells were then surveyed to a common datum to determine the groundwater flow direction.

Survey

The locations of the soil borings and monitoring wells were identified by measuring the locations to the nearest foot relative to fixed Site features, including the Site boundaries.. The locations were then plotted on a scaled Site plan, as shown in Figure 4.1.1.

The relative elevation of the top of each well casing was determined by surveying the top of each casing to the nearest 0.01 foot relative to a fixed reference datum at the Site. The top of the MW-1 well casing was selected as the fixed reference datum and the reference elevation was assumed to be 50.00 feet. All of the other well casings were surveyed relative to this reference datum. These relative elevations were integrated with the measured depths to groundwater to determine the relative elevation of the water table surface, as discussed below

Water Level Measurement

The groundwater level in each well was measured to the nearest 0.01 foot using a decontaminated groundwater interface probe. The depth to water was measured from the top of each well casing and the measurements were integrated with the top of casing relative elevations to determine the relative elevation of the water table surface at each well. Groundwater level data are included in Table 4.2.2. No non-aqueous-phase liquids were noted in any of the wells.

Table 4.2.2: Groundwater Level Data

Monitoring Well ID No.	Date	Groundwater Relative Elevation
MW-1	2/11/2016	23.36
MW-2		19.35
MW-3		22.81

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted for the Areas of Concern 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, establishment of a qualitative human health exposure assessment, 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 two-foot interval directly above groundwater. Samples were not composite samples but were discrete grab samples. Twelve 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 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, 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 monitoring wells were sampled by an environmental professional using low-flow sampling techniques on February 11, 2016. 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 each of the three 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 wells. 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 monitoring wells.

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 groundwater samples 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), with the exception of the MW-3 groundwater sample. The MW-3 groundwater sample was only analyzed for VOCs by EPA Method 8260C because only a small volume of groundwater could be collected from MW-3. 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 eight to nine 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. Five soil vapor implants were installed and five 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 twenty-four 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.

Chemical Analysis

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:

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) (filtered and unfiltered); • 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. These TB sample results do not suggest any concerns for 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 and therefore, lab contamination does not present a concern.

- The LCS percent recoveries (%Rs) and relative percent differences (RPDs) were within limits, with the exception of %Rs and/or RPDs outside of criteria for several VOCs and SVOCs in the LCSs and/or LCSDs for the soils. One of the SVOCs, chrysene, was also detected in the primary soil samples that exceeded the Track 2 SCOs and therefore, it is possible that the data is biased slightly high.
- The MS/MDS %Rs and RPDs were within criteria, with the exception of %Rs and/or RPDs outside of criteria for several VOCs, SVOCs, metals, and pesticides in the MS and/or MSDs for select soil and/or groundwater samples. Several of the metals were also detected in the primary soil and groundwater samples that exceeded the Track 2 SCOs and Standards, respectively, and therefore, these data maybe 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 ten feet thick, generally consisted of historic fill composed of a brown/ medium to fine-grained sand with angular gravel, silt, asphalt, and brick. This layer was underlain by an approximately 11.5 to 15-foot thick layer consisting of a brown/tan medium to fine-grained silty-sand with fine gravel. This layer was underlain by an approximately one to ten-foot thick layer consisting of a brown/tan sandy clay with some fine gravel. No PID responses, odors, or staining were noted in the borings. Groundwater was generally estimated in the soil borings to be present at a depth of approximately 20 feet below grade and was noted to be variably due to the presence of fine grained sand, sandy clay and clay. 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 50 feet MSL, the depth to bedrock is estimated at approximately 200 feet below grade.

Hydrogeology

A table of water level data for the monitoring wells is included in Table 4.2.2. The average groundwater relative elevation is approximately 22.06 feet above MSL and the range is approximately 19.35 to 23.36 above MSL (or 26.69 to 28.21 fbg). A map of groundwater relative elevations with groundwater contours and inferred flow lines is shown in Figure 5.1.1 Groundwater flow is from northeast to southwest and is generally consistent with the regional groundwater flow direction from published USGS reports..

5.2 Soil Chemistry

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in 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

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), with the exception of acetone (71 ug/kg) in the shallow sample from boring SB-3. Acetone is a common laboratory contaminant and, therefore, does not present a concern. Low concentrations of tetrachloroethene (PCE) (maximum 6.2 ug/kg), below the Track 1 SCOs, was detected in two of twelve soil samples collected. Trichloroethene (TCE), carbon tetrachloride (CT), and 1,1,1-trichloroethane (TCA) were not detected in any of the soil samples collected on the Site. The 2014 investigation identified low concentrations of chlorinated solvents including methylene chloride (6.5 ug/kg) and PCE (26 ug/kg) in the area of the former parking lot.
- SVOCs exceeded the Track 2 SCOs in one of the twelve soil samples collected, with concentrations of benzo(a)anthracene (6,300 ug/kg), benzo(a)pyrene (5,100 ug/kg), benzo(b)fluoranthene (6,400 ug/kg), chrysene (6,300 ug/kg), dibenzo(a,h)anthracene (1,300 ug/kg), and indeno(1,2,3-cd)pyrene (4,500 ug/kg) exceeding the Track 2 SCOs. Benzo(k)fluoranthene exceeded the Track 1 SCOs but did not exceed the Track 2 SCOs in one of twelve soil samples collected. The total concentration of SVOCs is 76,109 ug/kg.
- Metals did not exceed the Track 2 SCOs in the 12 soil samples collected. Copper, lead, zinc, and/or mercury exceeded the Track 1 SCOs but did not exceed the Track 2 SCOs in three of the twelve soil samples collected.
- Pesticides and PCBs were not detected in any of the soil samples.

The SVOC and metal exceedances are generally minor and 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 did not exceed the Standards in the three groundwater samples collected. Low concentrations of PCE (maximum 1.4 ug/l), below the Standards, were detected in two of the three samples, MW-1 and MW-2). TCE, TCA, and CT were not detected in any groundwater samples collected on the Site.
- Low levels of SVOCs were detected in one of the two samples collected, but none of the detections exceeded the Standards.
- Arsenic, barium, chromium, copper, iron, lead, magnesium, manganese, nickel, and/or sodium were the only metals that exceeded Standards in the two groundwater samples collected. Magnesium, manganese, and sodium exceedances were noted for both the unfiltered and dissolved-phase samples. The arsenic, barium, chromium, copper, iron, lead, and nickel exceedances were only noted in the unfiltered samples.
- PCBs and pesticides were not detected in any of the groundwater 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 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 arsenic, barium, chromium, copper, iron, lead, and nickel 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, methyl ethyl ketone (2-butanone), etc.), non-chlorinated solvents (acetone, ethyl acetate, etc.), refrigerants (Freon 11 and Freon 12),

and chlorinated solvents (PCE, TCE, etc.). The constituents detected are typical of those found in soil vapor in urbanized areas with the exception of the elevated PCE observed in the 2014 study and methyl ethyl ketone observed in the 2016 study.

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. . In the 2014 study, PCE was identified at two locations above the NYSDOH 2006 Guidance thresholds for mitigation for sub-slab soil vapor concentrations with a maximum concentration of 330 ug/m^3. TCE was identified at one location at a concentration of 12 ug/m^3. In the 2016 study, one VOC for which the NYSDOH provides guidance, PCE (maximum 2.0 ug/m^3), was detected in three of the five soil vapor samples. PCE was found at low levels 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). CT, TCA, and TCE were not detected in soil vapor samples collected on the Site. Methyl ethyl ketone (2-butanone) was also identified in soil vapor in the 2016 study at concentrations ranging from 640 ug/m^3 to 2,200 ug/m^3.

The soil vapor results are consistent with the soil and groundwater sampling results for the Site.

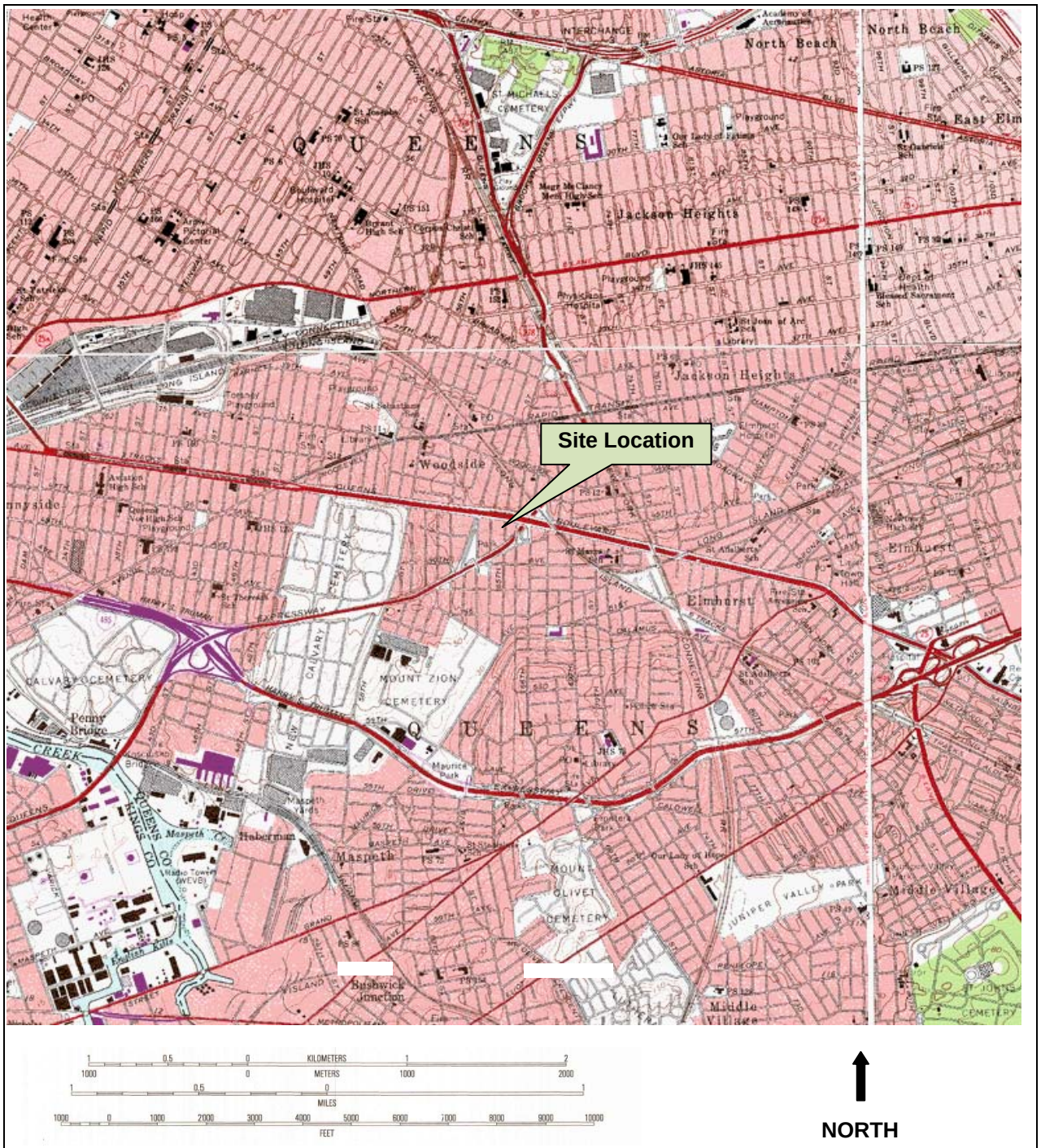
5.5 Prior Activity

Based on an evaluation of the data and information from the RIR, 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.

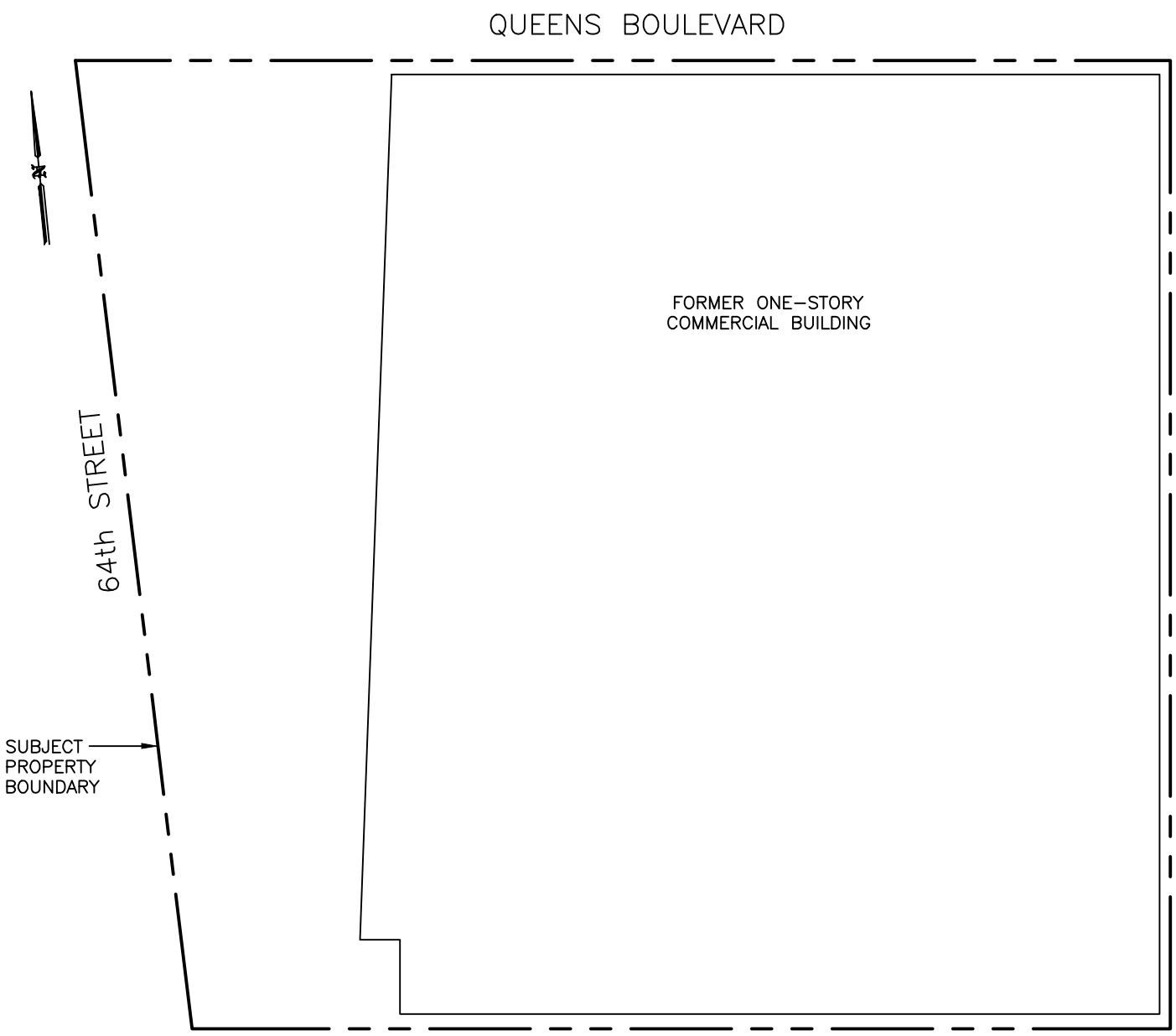
FIGURES



NORTH

Source: US Geological Survey 7.5-Minute Brooklyn, NY Quadrangle

FPM GROUP		
FIGURE 1.1.1 SITE LOCATION MAP 64-02 AND 64-06 QUEENS BOULEVARD WOODSIDE, NEW YORK		
Drawn by: GH	Checked By: GH	Date: 5/4/2015



NOT TO SCALE

FPM GROUP

FIGURE 1.1.2
SITE PLAN

64-02 & 64-06 QUEENS BOULEVARD
WOODSIDE, NEW YORK

Drawn By: H.C.	Checked By: G.H.	Date: 4/20/15

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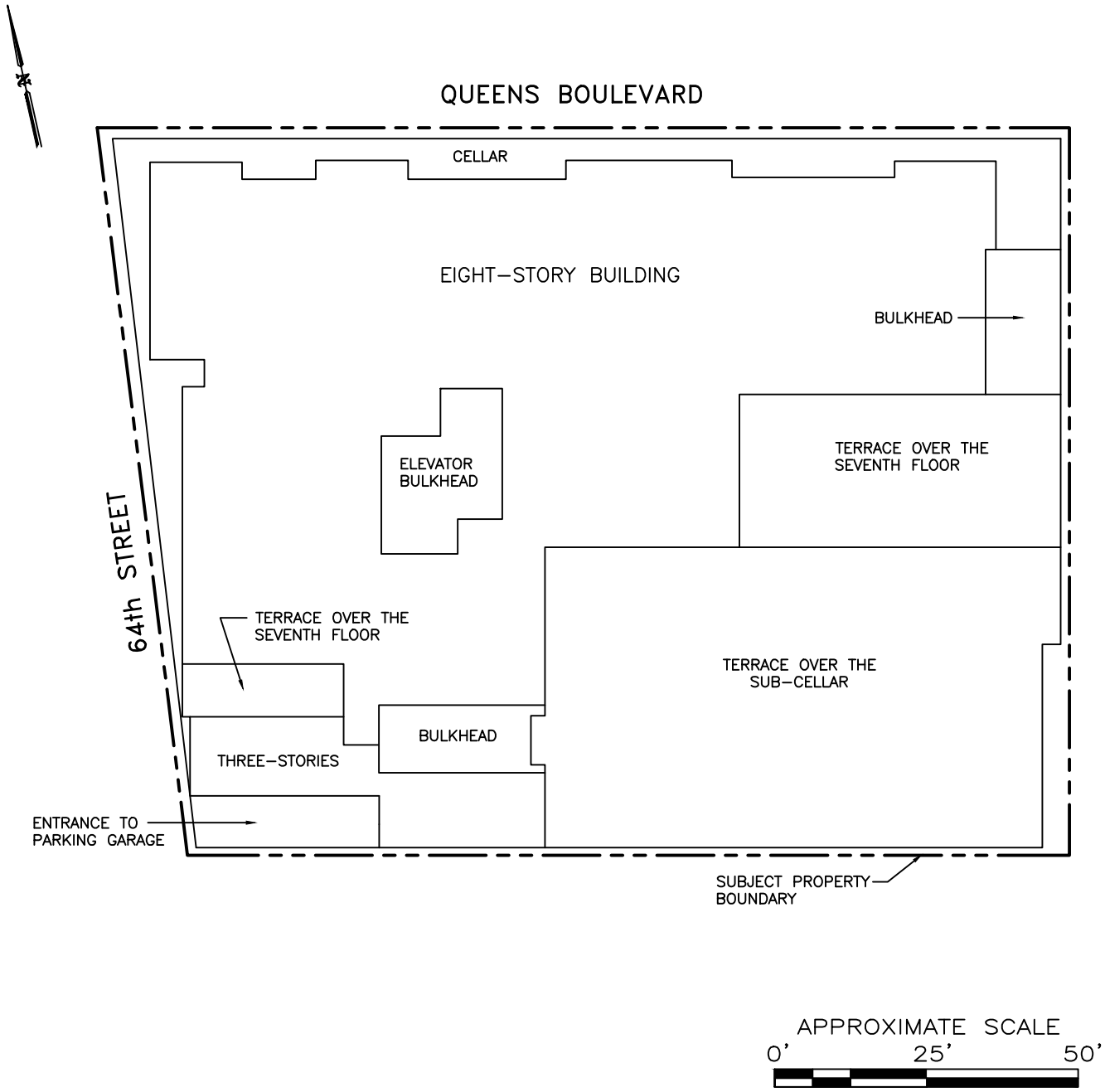

FPM GROUP

FIGURE 1.2.1
FUTURE DEVELOPMENT PLAN
64–02 & 64–06 QUEENS
WOODSIDE, NEW YORK

Drawn By: H.C.	Checked By: G.H.	Date: 6/17/15

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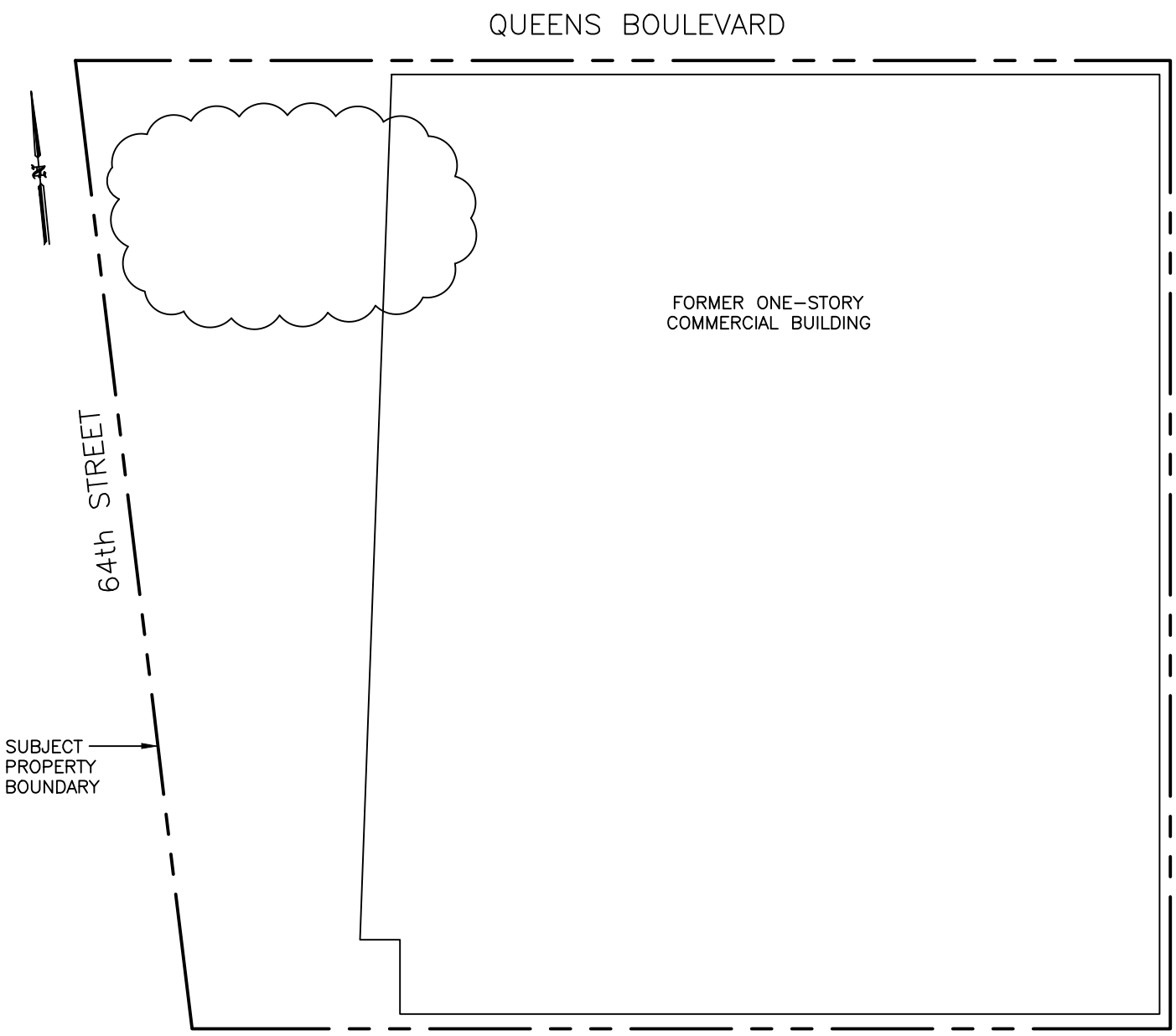


NOT TO SCALE

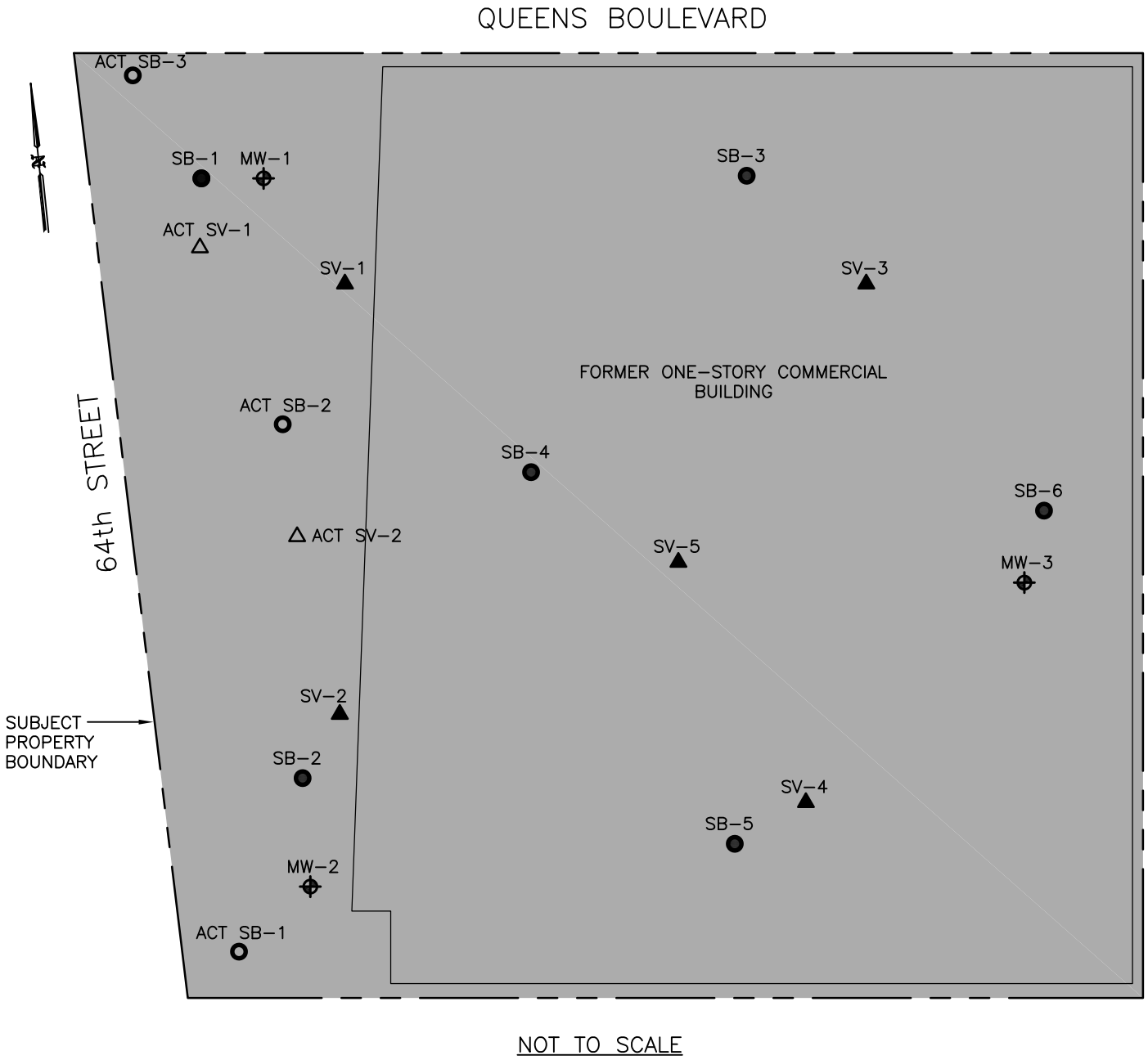
LEGEND:

AREA OF CONCERN

FPM GROUP

FIGURE 2.4.1
AREAS OF CONCERN
64-02 & 64-06 QUEENS BOULEVARD
WOODSIDE, NEW YORK

Drawn By: H.C.	Checked By: G.H.	Date: 3/9/16



LEGEND:

- SOIL BORING (FPM 2016)
- SOIL BORING (ACT 2014)
- SOIL VAPOR (FPM 2016)
- SOIL VAPOR (ACT 2014)
- GROUNDWATER MONITORING WELL
- GEOPHYSICAL SURVEY AREA

FPM GROUP

FIGURE 4.1.1
SAMPLE LOCATIONS
64-02 & 64-06 QUEENS BOULEVARD
WOODSIDE, NEW YORK

Drawn By: H.C.	Checked By: G.H.	Date: 3/9/16

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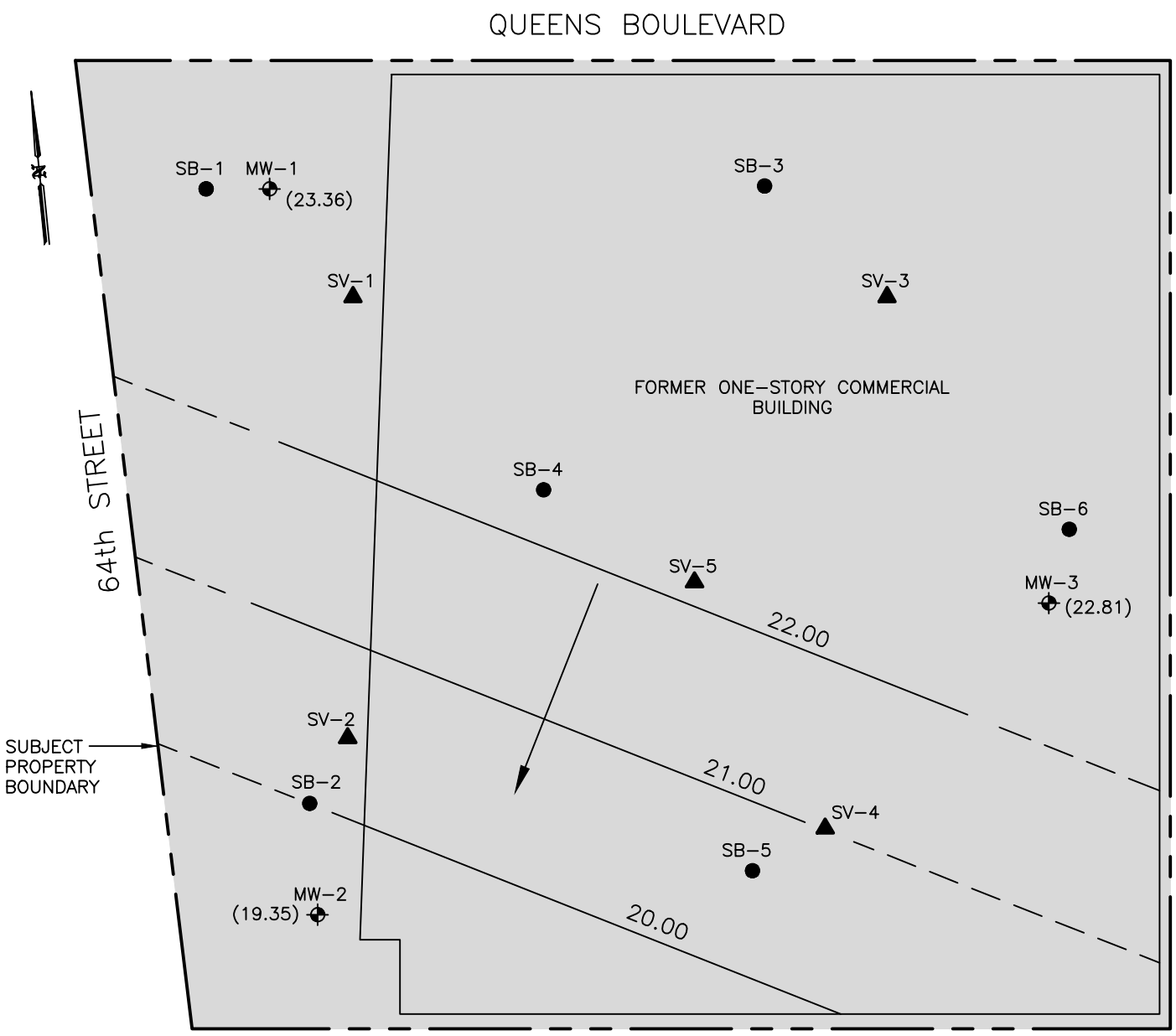


NOT TO SCALE

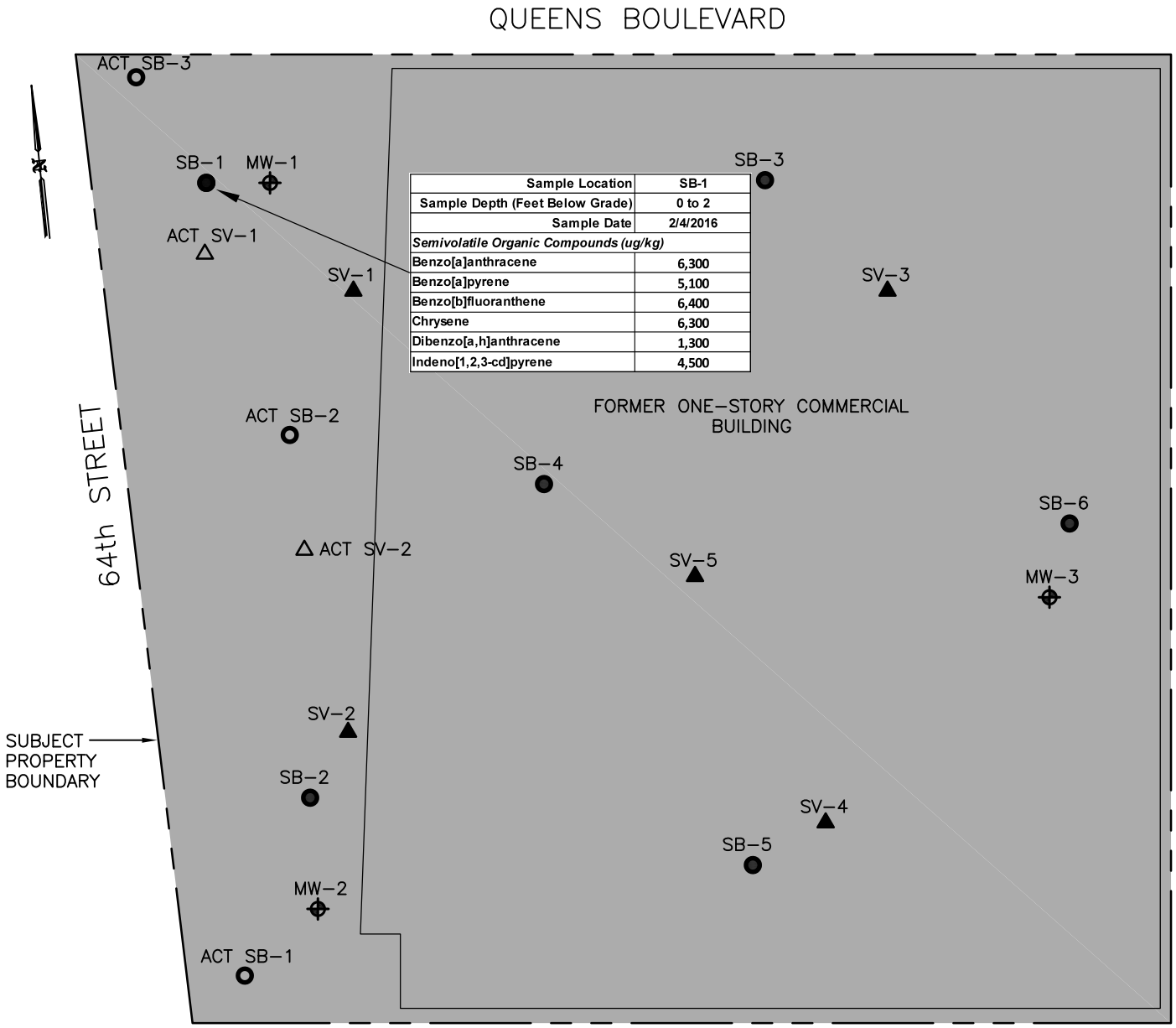
LEGEND:

- SOIL BORING
- SOIL VAPOR
- MW-1 (19.35) GROUNDWATER MONITORING WELL WITH GROUNDWATER RELATIVE ELEVATION (IN FEET)
- GEOPHYSICAL SURVEY AREA
- 20.00 GROUNDWATER RELATIVE ELEVATION CONTOUR (DASHED WHERE INTERPRETED)
- GROUNDWATER FLOW DIRECTION

FPM GROUP

FIGURE 5.1.1
GROUNDWATER FLOW MAP
64-02 & 64-06 QUEENS BOULEVARD
WOODSIDE, NEW YORK

Drawn By: H.C.	Checked By: G.H.	Date: 3/9/16



Sample Location	SB-1
Sample Depth (Feet Below Grade)	0 to 2
Sample Date	2/4/2016
Semivolatile Organic Compounds (ug/kg)	
Benzo[a]anthracene	6,300
Benzo[a]pyrene	5,100
Benzo[b]fluoranthene	6,400
Chrysene	6,300
Dibenzo[a,h]anthracene	1,300
Indeno[1,2,3-cd]pyrene	4,500

NOT TO SCALE

LEGEND:

- SOIL BORING (FPM 2016)
- SOIL BORING (ACT 2014)
- SOIL VAPOR (FPM 2016)
- SOIL VAPOR (ACT 2014)
- GROUNDWATER MONITORING WELL
- GEOPHYSICAL SURVEY AREA

FPM GROUP

FIGURE 5.2.1
SAMPLE LOCATIONS WITH SOIL DATA
64-02 & 64-06 QUEENS BOULEVARD
WOODSIDE, NEW YORK

Drawn By: H.C. | Checked By: G.H. | Date: 3/9/16

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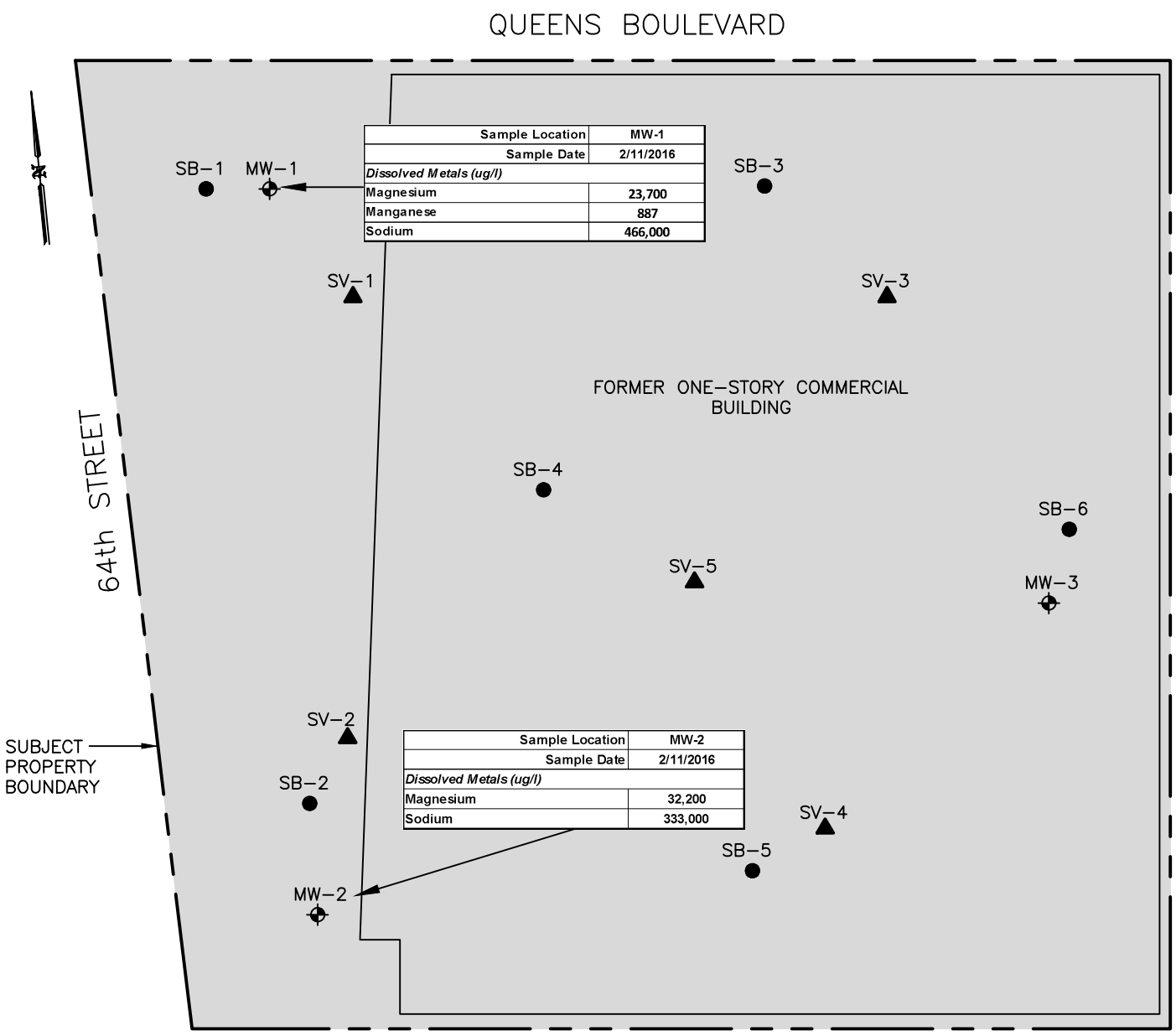


Sample Location	MW-1
Sample Date	2/11/2016
Dissolved Metals (ug/l)	
Magnesium	23,700
Manganese	887
Sodium	466,000

Sample Location	MW-2
Sample Date	2/11/2016
Dissolved Metals (ug/l)	
Magnesium	32,200
Sodium	333,000

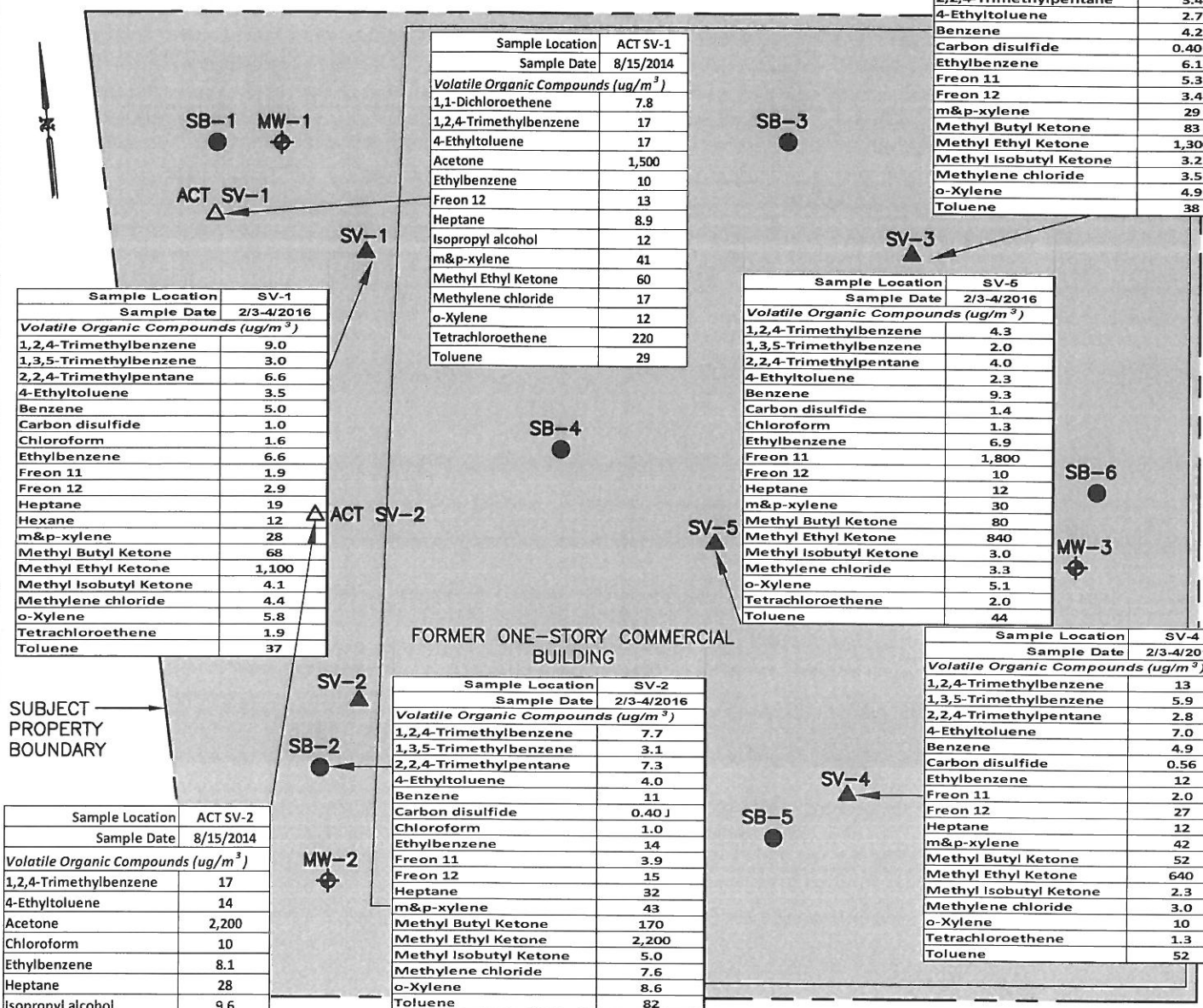
LEGEND:

- ● SOIL BORING
- ▲ SOIL VAPOR
- ⊕ GROUNDWATER MONITORING WELL
- ▭ GEOPHYSICAL SURVEY AREA

FPM GROUP

FIGURE 5.3.1
SAMPLE LOCATIONS WITH GROUNDWATER DATA
64–02 & 64–06 QUEENS BOULEVARD
WOODSIDE, NEW YORK

Drawn By: H.C.	Checked By: G.H.	Date: 3/9/16



Sample Location	SV-3
Sample Date	2/3-4/2016
Volatile Organic Compounds (ug/m³)	
1,2,4-Trimethylbenzene	6.1
1,3,5-Trimethylbenzene	2.4
2,2,4-Trimethylpentane	3.4
4-Ethyltoluene	2.7
Benzene	4.2
Carbon disulfide	0.40 J
Ethylbenzene	6.1
Freon 11	5.3
Freon 12	3.4
m&p-xylene	29
Methyl Butyl Ketone	83
Methyl Ethyl Ketone	1,300
Methyl Isobutyl Ketone	3.2
Methylene chloride	3.5
o-Xylene	4.9
Toluene	38

Sample Location	ACT SV-1
Sample Date	8/15/2014
Volatile Organic Compounds (ug/m³)	
1,1-Dichloroethene	7.8
1,2,4-Trimethylbenzene	17
4-Ethyltoluene	17
Acetone	1,500
Ethylbenzene	10
Freon 12	13
Heptane	8.9
Isopropyl alcohol	12
m&p-xylene	41
Methyl Ethyl Ketone	60
Methylene chloride	17
o-Xylene	12
Tetrachloroethene	220
Toluene	29

Sample Location	SV-1
Sample Date	2/3-4/2016
Volatile Organic Compounds (ug/m³)	
1,2,4-Trimethylbenzene	9.0
1,3,5-Trimethylbenzene	3.0
2,2,4-Trimethylpentane	6.6
4-Ethyltoluene	3.5
Benzene	5.0
Carbon disulfide	1.0
Chloroform	1.6
Ethylbenzene	6.6
Freon 11	1.9
Freon 12	2.9
Heptane	19
Hexane	12
m&p-xylene	28
Methyl Butyl Ketone	68
Methyl Ethyl Ketone	1,100
Methyl Isobutyl Ketone	4.1
Methylene chloride	4.4
o-Xylene	5.8
Tetrachloroethene	1.9
Toluene	37

Sample Location	SV-5
Sample Date	2/3-4/2016
Volatile Organic Compounds (ug/m³)	
1,2,4-Trimethylbenzene	4.3
1,3,5-Trimethylbenzene	2.0
2,2,4-Trimethylpentane	4.0
4-Ethyltoluene	2.3
Benzene	9.3
Carbon disulfide	1.4
Chloroform	1.3
Ethylbenzene	6.9
Freon 11	1,800
Freon 12	10
Heptane	12
m&p-xylene	30
Methyl Butyl Ketone	80
Methyl Ethyl Ketone	840
Methyl Isobutyl Ketone	3.0
Methylene chloride	3.3
o-Xylene	5.1
Tetrachloroethene	2.0
Toluene	44

Sample Location	SV-4
Sample Date	2/3-4/2016
Volatile Organic Compounds (ug/m³)	
1,2,4-Trimethylbenzene	13
1,3,5-Trimethylbenzene	5.9
2,2,4-Trimethylpentane	2.8
4-Ethyltoluene	7.0
Benzene	4.9
Carbon disulfide	0.56
Ethylbenzene	12
Freon 11	2.0
Freon 12	27
Heptane	12
m&p-xylene	42
Methyl Butyl Ketone	52
Methyl Ethyl Ketone	640
Methyl Isobutyl Ketone	2.3
Methylene chloride	3.0
o-Xylene	10
Tetrachloroethene	1.3
Toluene	52

Sample Location	SV-2
Sample Date	2/3-4/2016
Volatile Organic Compounds (ug/m³)	
1,2,4-Trimethylbenzene	7.7
1,3,5-Trimethylbenzene	3.1
2,2,4-Trimethylpentane	7.3
4-Ethyltoluene	4.0
Benzene	11
Carbon disulfide	0.40 J
Chloroform	1.0
Ethylbenzene	14
Freon 11	3.9
Freon 12	15
Heptane	32
m&p-xylene	43
Methyl Butyl Ketone	170
Methyl Ethyl Ketone	2,200
Methyl Isobutyl Ketone	5.0
Methylene chloride	7.6
o-Xylene	8.6
Toluene	82

Sample Location	ACT SV-2
Sample Date	8/15/2014
Volatile Organic Compounds (ug/m³)	
1,2,4-Trimethylbenzene	17
4-Ethyltoluene	14
Acetone	2,200
Chloroform	10
Ethylbenzene	8.1
Heptane	28
Isopropyl alcohol	9.6
m&p-xylene	32
Methyl Ethyl Ketone	73
Methylene chloride	67
o-Xylene	9.7
Tetrachloroethene	460
Toluene	26

NOT TO SCALE

LEGEND:

- SOIL BORING
- SOIL VAPOR (FPM FEBRUARY 2016)
- SOIL VAPOR (ACT AUGUST 2014)
- GROUNDWATER MONITORING WELL
- GEOPHYSICAL SURVEY AREA

FPM GROUP

FIGURE 5.4.1
SAMPLE LOCATIONS
WITH SOIL VAPOR DATA
64–02 & 64–06 QUEENS BOULEVARD
WOODSIDE, NEW YORK

Drawn By: H.C. | Checked By: G.H. | Date: 3/9/16

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TABLES

TABLE 4.3.1
SOIL ANALYTICAL DATA
64-02 & 64-06 QUEENS BOULEVARD, WOODSIDE, NY
OER PROJECT NO. 15EHAN504Q

Analyte	Track 1 Unrestricted Use SCOs	Track 2 Restricted Residential SCOs	SB-1	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4	SB-4	SB-5	SB-5	SB-6	SB-6	ACT SB-1**	ACT SB-2**		ACT SB-3**		
			0-2	21-23	10-12 (DUPLICATE OF 21-23)	0-2	17-19	0-2	9-11	0-2	18-20	0-2	16-18	0-2	18-20	3-5	3-5	12-14	0-4	3-5	15-20
			2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/3/2016	2/3/2016	2/4/2016	2/4/2016	2/3/2016	2/3/2016	2/3/2016	2/3/2016	August 2014					
Volatile Organic Compounds in micrograms per kilogram																					
1,1,1-Trichloroethane	680	100,000	<0.071	<0.065	<0.08	<0.069	<0.065	<0.54	<0.33	<0.073	<0.065	<0.33	<0.36	<0.42	<0.38	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.8
1,1,2,2-Tetrachloroethane	-	-	<0.032	<0.029	<0.036	<0.031	<0.029	<0.24	<0.15	<0.033	<0.029	<0.15	<0.16	<0.19	<0.17	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
1,1,2-Trichloro-1,2,2-trifluoroethane	-	-	<0.082	<0.076	<0.092	<0.08	<0.075	<0.63	<0.38	<0.084	<0.075	<0.38	<0.42	<0.48	<0.44	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
1,1,2-Trichloroethane	-	-	<0.052	<0.048	<0.059	<0.051	<0.048	<0.4	<0.24	<0.054	<0.048	<0.24	<0.27	<0.31	<0.28	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
1,1-Dichloroethane	270	26,000	<0.063	<0.059	<0.071	<0.062	<0.058	<0.49	<0.29	<0.065	<0.058	<0.29	<0.33	<0.37	<0.34	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
1,1-Dichloroethene	330	100,000	<0.076	<0.071	<0.086	<0.075	<0.07	<0.59	<0.35	<0.078	<0.07	<0.35	<0.39	<0.45	<0.41	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
1,2,3-Trichlorobenzene	-	-	<0.02	<0.019	<0.023	<0.02	<0.019	<0.16	<0.095	<0.021	<0.019	<0.095	<0.11	<0.12	<0.11	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
1,2,4-Trichlorobenzene	-	-	<0.059	<0.055	<0.067	<0.058	<0.055	<0.46	<0.28	<0.061	<0.055	<0.28	<0.31	<0.35	<0.32	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
1,2-Dibromo-3-Chloropropane	-	-	<0.087	<0.081	<0.098	<0.085	<0.08	<0.67	<0.41	<0.09	<0.08	<0.41	<0.45	<0.51	<0.47	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
1,2-Dichlorobenzene	1,100	100,000	<0.026	<0.024	<0.029	<0.025	<0.024	<0.20	<0.12	<0.027	<0.024	<0.12	<0.13	<0.15	<0.14	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
1,2-Dichloroethane	20	3,100	<0.02	<0.019	<0.023	<0.02	<0.019	<0.16	<0.095	<0.021	<0.019	<0.095	<0.11	<0.12	<0.11	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
1,2-Dichloropropane	-	-	<0.032	<0.029	<0.036	<0.031	<0.029	<0.24	<0.15	<0.033	<0.029	<0.15	<0.16	<0.19	<0.17	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
1,3-Dichlorobenzene	2,400	49,000	<0.022	<0.021	<0.025	<0.022	<0.021	<0.17	<0.10	<0.023	<0.02	<0.10	<0.11	<0.13	<0.12	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
1,4-Dichlorobenzene	1,800	13,000	<0.024	<0.022	<0.027	<0.024	<0.022	<0.19	<0.11	<0.025	<0.022	<0.11	<0.12	<0.14	<0.13	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
1,4-Dioxane	100	13,000	<1.2	<1.1	<1.3	<1.2	<1.1	<9.2	<5.5	<1.2	<1.1	<5.5	<6.1	<7.0	<6.4	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
2-Butanone (MEK)	120	-	<0.14	<0.13	<0.16	<0.14	<0.13	<1.1	<0.67	<0.15	<0.13	<0.67	<0.74	<0.84	<0.77	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
2-Hexanone	-	-	<0.17	<0.16	<0.20	<0.17	<0.16	<1.3	<0.81	<0.18	<0.16	<0.81	<0.90	<1.0	<0.94	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
4-Methyl-2-pentanone (MIBK)	-	-	<0.41	<0.38	<0.46	<0.4	<0.38	<3.2	<1.9	<0.42	<0.38	<1.9	<2.1	<2.4	<2.2	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Acetone	50	100,000	<0.20	<0.18	8.9	<0.19	<0.18	**71**	<0.92	<0.2	<0.18	12	16	<1.2	<1.1	13	20	16	**56**	**62**	19
Benzene	60	4,800	0.046 J	<0.034	<0.042	<0.036	<0.034	<0.29	<0.17	<0.038	<0.034	<0.17	<0.19	<0.22	<0.2	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Bromoform	-	-	<0.024	<0.022	<0.027	<0.024	<0.022	<0.19	<0.11	<0.025	<0.022	<0.11	<0.12	<0.14	<0.13	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Bromomethane	-	-	<0.059	<0.055	<0.067	<0.058	<0.055	<0.46	<0.28	<0.061	<0.055	<0.28	<0.31	<0.35	<0.32	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Carbon disulfide	-	-	<0.08	<0.074	<0.09	<0.078	<0.074	<0.62	<0.37	<0.082	<0.073	<0.37	<0.41	<0.47	<0.43	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Carbon tetrachloride	760	2,400	<0.08	<0.074	<0.09	<0.078	<0.074	<0.62	<0.37	<0.082	<0.073	<0.37	<0.41	<0.47	<0.43	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Chlorobenzene	1,100	100,000	<0.026	<0.024	<0.029	<0.025	<0.024	<0.20	<0.12	<0.027	<0.024	<0.12	<0.13	<0.15	<0.14	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Chlorobromomethane	-	-	<0.032	<0.029	<0.036	<0.031	<0.029	<0.24	<0.15	<0.033	<0.029	<0.15	<0.16	<0.19	<0.17	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Chlorodibromomethane	-	-	<0.028	<0.026	<0.031	<0.027	<0.026	<0.21	<0.13	<0.029	<0.026	<0.13	<0.14	<0.16	<0.15	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Chloroethane	-	-	<0.065	<0.06	<0.073	<0.064	<0.06	<0.50	<0.30	<0.067	<0.060	<0.30	<0.33	<0.38	<0.35	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Chloroform	370	49,000	<0.039	<0.036	<0.044	<0.038	<0.036	<0.30	<0.18	<0.04	<0.036	<0.18	<0.20	<0.23	<0.21	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Chloromethane	-	-	<0.071	<0.065	<0.08	<0.069	<0.065	<0.54	<0.33	<0.073	<0.065	<0.33	<0.36	<0.42	<0.38	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
cis-1,2-Dichloroethene	250	100,000	0.52	<0.038	<0.046	<0.04	<0.038	<0.32	<0.19	<0.042	<0.038	<0.19	<0.21	<0.24	<0.22	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
cis-1,3-Dichloropropene	-	-	<0.028	<0.026	<0.031	<0.027	<0.026	<0.21	<0.13	<0.029	<0.026	<0.13	<0.14	<0.16	<0.15	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Cyclohexane	-	-	<0.086	<0.079	<0.096	<0.084	<0.079	<0.66	<0.40	<0.088	<0.079	<0.40	<0.44	<0.50	<0.46	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Dichlorobromomethane	-	-	<0.071	<0.065	<0.08	<0.069	<0.065	<0.54	<0.33	<0.073	<0.065	<0.33	<0.36	<0.42	<0.38	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Dichlorodifluoromethane	-	-	<0.059	<0.055	<0.067	<0.058	<0.055	<0.46	<0.28	<0.061	<0.055	<0.28	<0.31	<0.35	<0.32	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Ethylbenzene	1,000	41,000	0.038 J	0.031 J	0.043 J	<0.033	0.049 J	<0.26	<0.16	<0.034	<0.031	<0.16	<0.17	<0.20	<0.18	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Ethylene Dibromide	-	-	<0.022	<0.021	<0.025	<0.022	<0.021	<0.17	<0.10	<0.023	<0.02	<0.10	<0.11	<0.13	<0.12	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Isopropylbenzene	-	-	<0.032	<0.029	<0.036	<0.031	<0.029	<0.24	<0.15	<0.033	<0.029	<0.15	<0.16	<0.19	<0.17	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Methyl acetate	-	-	<0.17	<0.16	<0.19	<0.16	<0.15	<1.3	<0.78	<0.17	<0.15	<0.78	<0.86	<0.98	<0.90	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Methyl tert-butyl ether	930	100,000	<0.032	<0.029	<0.036	<0.031	<0.029	<0.24	<0.15	<0.033	<0.029	<0.15	<0.16	<0.19	<0.17	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Methylcyclohexane	-	-	<0.093	<0.086	<0.10	<0.091	<0.086	<0.72	<0.43	<0.096	<0.085	<0.43	<0.48	<0.55	<0.50	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Methylene Chloride	50	100,000	<0.059	<0.055	<0.067	0.074 J	<0.055	<0.46	<0.28	0.079 J	0.078 J	0.36 J	<0.31	<0.35	<0.32	7.2	<2.4	<2.3	5.3	5.7	6.5
m-Xylene & p-Xylene	-	-	<0.02	<0.019	0.14 J	<0.02	0.15 J	<0.16	0.29 J	<0.021	<0.019	0.27 J	<0.11	<0.12	0.34 J	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
o-Xylene	-	-	0.052 J	<0.028	0.045 J	<0.029	0.043 J	<0.23	<0.14	<0.031	<0.027	<0.14	<0.15	<0.18	<0.16	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Styrene	-	-	<0.028	<0.026	<0.031	<0.027	<0.026	<0.21	0.26 J	<0.029	<0.026	<0.13	<0.14	<0.16	2.5	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Tetrachloroethene	1,300	19,000	6.2	<0.048	<0.059	0.13 J	<0.048	<0.40	<0.24	<0.054	<0.048	<0.24	<0.27	<0.31	<0.28	< 2.1	<2.4	<2.3	26	13	<2.7
Toluene	700	100,000	<0.035	0.052 J	0.051 J	<0.035	<0.033	<0.27	<0.16	<0.036	<0.032	<0.16	<0.18	<0.21	<0.19	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
trans-1,2-Dichloroethene	190	100,000	<0.072	<0.067	<0.082	<0.071	<0.067	<0.56	<0.34	<0.075	<0.067	<0.34	<0.37	<0.43	<0.39	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
trans-1,3-Dichloropropene	-	-	<0.019	<0.017	<0.021	<0.018	<0.017	<0.14	<0.087	<0.019	<0.017	<0.087	<0.096	<0.11	<0.10	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Trichloroethene	470	21,000	<0.048	<0.045	<0.054	<0.047	<0.044	<0.37	<0.23	<0.05	<0.044	<0.23	<0.25	<0.28	<0.26	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Trichlorofluoromethane	-	-	<0.063	<0.059	<0.071	<0.062	<0.058	<0.49	<0.29	4.1	<0.058	<0.29	<0.33	<0.37	<0.34	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7
Vinyl chloride	20	900	<0.072	<0.067	<0.082	<0.071	<0.067	<0.56	<0.34	<0.075	<0.067	<0.34	<0.37	<0.43	<0.39	< 2.1	<2.4	<2.3	<2.0	<2.7	<2.7

Notes:

B = Analyte detected 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
** Data obtained from Advanced Cleanup Technologies, Inc September 2014 Phase Subsurface Investigation Report

FPM

TABLE 4.3.1 (CONTINUED)
SOIL ANALYTICAL DATA
64-02 & 64-06 QUEENS BOULEVARD, WOODSIDE, NY
OER PROJECT NO. 15EHAN504Q

Analyte	Track 1 Unresticted Use SCOs	Track 2 Restricted Residential SCOs	SB-1	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4	SB-4	SB-5	SB-5	SB-6	SB-6	ACT SB-1**	ACT SB-2**		ACT SB-3**		
			0-2	21-23	10-12 (DUPLICATE OF 21-23)	0-2	17-19	0-2	9-11	0-2	18-20	0-2	16-18	0-2	18-20	3-5	3-5	12-14	0-4	3-5	15-20
			2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/3/2016	2/3/2016	2/4/2016	2/4/2016	2/3/2016	2/3/2016	2/3/2016	2/3/2016	August 2014					
Semivolatile Organic Compounds in micrograms per kilogram																					
1,1'-Biphenyl	-	-	<63	<29	<35	<62	<29	<30	<31	<32	<29	<29	<29	<29	<29	<45.7	<92.5	<225	<88.1	<44.1	<42.6
1,2,4,5-Tetrachlorobenzene	-	-	<55	<25	<31	<54	<25	<26	<27	<28	<25	<26	<25	<25	<26	<91.4	<185	<450	<176	<88.3	<85.1
2,2'-oxybis[1-chloropropane]	-	-	<31	<14	<17	<30	<14	<14	<15	<16	<14	<14	<14	<14	<14	<45.7	<92.5	<225	<88.1	<44.1	<42.6
2,3,4,6-Tetrachlorophenol	-	-	<70	<32	<39	<68	<32	<33	<34	<36	<32	<32	<32	<32	<32	<45.7	<92.5	<225	<88.1	<44.1	<42.6
2,4,5-Trichlorophenol	-	-	<74	<34	<41	<72	<34	<35	<36	<38	<34	<34	<34	<34	<34	<45.7	<92.5	<225	<88.1	<44.1	<42.6
2,4,6-Trichlorophenol	-	-	<21	<9.7	<12	<21	<9.7	<9.9	<10	<11	<9.7	<9.8	<9.7	<9.7	<9.8	<45.7	<92.5	<225	<88.1	<44.1	<42.6
2,4-Dichlorophenol	-	-	<18	<8.1	<9.7	<17	<8.1	<8.2	<8.6	<8.9	<8	<8.1	<8	<8	<8.1	<91.4	<185	<450	<88.1	<44.1	<42.6
2,4-Dimethylphenol	-	-	<160	<75	<91	<160	<75	<76	<80	<83	<75	<76	<75	<75	<76	<45.7	<92.5	<225	<88.1	<44.1	<42.6
2,4-Dinitrophenol	-	-	<560	<260	<310	<550	<260	<260	<280	<290	<260	<260	<260	<260	<260	<182	<368	<894	<350	<175	<169
2,4-Dinitrotoluene	-	-	<29	<14	<16	<29	<14	<14	<14	<15	<13	<14	<13	<14	<14	<91.4	<185	<450	<176	<88.3	<85.1
2,6-Dinitrotoluene	-	-	<40	<18	<22	<38	<18	<19	<19	<20	<18	<18	<18	<18	<18	<45.7	<92.5	<225	<88.1	<44.1	<42.6
2-Chloronaphthalene	-	-	<17	<7.8	<9.4	<16	<7.8	<7.9	<8.3	<8.6	<7.7	<7.8	<7.7	<7.7	<7.8	<45.7	<92.5	<225	<88.1	<44.1	<42.6
2-Chlorophenol	-	-	<19	<8.7	<10	<18	<8.7	<8.8	<9.3	<9.6	<8.7	<8.8	<8.6	<8.7	<8.7	<45.7	<92.5	<225	<88.1	<44.1	<42.6
2-Methylnaphthalene	-	-	160 J	<7.6	<9.1	19 J	<7.6	<7.7	<8	<8.4	<7.5	<7.6	<7.5	<7.5	<7.6	<45.7	<92.5	<225	<88.1	<44.1	<42.6
2-Methylphenol	330	100,000	<32	<15	<18	<31	<15	<15	<16	<16	<15	<15	<15	<15	<15	<91.4	<185	<450	<176	<88.3	<85.1
2-Nitroaniline	-	-	<25	<11	<14	<24	<11	<11	<12	<12	<11	<11	<11	<11	<11	<45.7	<92.5	<225	<88.1	<44.1	<42.6
2-Nitrophenol	-	-	<25	<11	<14	<24	<12	<12	<12	<13	<11	<12	<11	<11	<12	<91.4	<185	<450	<88.1	<44.1	<42.6
3,3'-Dichlorobenzidine	-	-	<83	<38	<46	<81	<38	<39	<41	<42	<38	<38	<38	<38	<38	<182	<368	<894	<350	<175	<169
3-Nitroaniline	-	-	<22	<10	<12	<21	<10	<10	<11	<11	<10	<10	<10	<10	<10	<91.4	<185	<450	<176	<88.3	<85.1
4,6-Dinitro-2-methylphenol	-	-	<200	<91	<110	<190	<91	<93	<97	<100	<91	<92	<91	<91	<92	<45.7	<92.5	<225	<176	<88.3	<85.1
4-Bromophenyl phenyl ether	-	-	<23	<11	<13	<23	<11	<11	<11	<12	<11	<11	<11	<11	<11	<45.7	<92.5	<225	<88.1	<44.1	<42.6
4-Chloro-3-methylphenol	-	-	<32	<15	<18	<31	<15	<15	<16	<16	<15	<15	<15	<15	<15	<91.4	<185	<450	<176	<88.3	<85.1
4-Chloroaniline	-	-	<19	<8.8	<11	<19	<8.8	<8.9	<9.4	<9.7	<8.8	<8.9	<8.7	<8.8	<8.9	<91.4	<185	<450	<176	<88.3	<85.1
4-Chlorophenyl phenyl ether	-	-	<22	<10	<12	<22	<10	<10	<11	<11	<10	<10	<10	<10	<10	<45.7	<92.5	<225	<88.1	<44.1	<42.6
4-Methylphenol	330	100,000	<20	<9.3	<11	<20	<9.3	<9.5	<9.9	<10	<9.3	<9.4	<9.3	<9.3	<9.4	<45.7	<92.5	<225	<88.1	<44.1	<42.6
4-Nitroaniline	-	-	<28	<13	<16	<27	<13	<13	<14	<14	<13	<13	<13	<13	<13	<91.4	<185	<450	<176	<88.3	<85.1
4-Nitrophenol	-	-	<360	<160	<200	<350	<160	<170	<180	<180	<160	<170	<160	<160	<170	<45.7	<92.5	<225	<176	<88.3	<85.1
Acenaphthene	20,000	100,000	380 J	<8.3	<10	<17	<8.3	<8.4	<8.8	9.3 J	<8.2	<8.3	<8.2	<8.3	<8.3	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Acenaphthylene	100,000	100,000	89 J	<8.8	<11	<19	<8.8	<8.9	<9.4	<9.7	<8.8	<8.9	<8.7	<8.8	<8.9	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Acetophenone	-	-	<16	<7.5	<9	<16	<7.5	<7.6	<7.9	<8.2	<7.4	<7.5	<7.4	<7.4	<7.5	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Anthracene	100,000	100,000	2,400	<33	<39	<69	<33	<33	<35	<36	<32	<33	<32	<32	<33	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Atrazine	-	-	<33	<15	<18	<32	<15	<15	<16	<17	<15	<15	<15	<15	<15	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Benzaldehyde	-	-	<57	<26	<31	<55	<26	<27	<28	<29	<26	<26	<26	<26	<26	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Benzo[a]anthracene	1,000	1,000	**6,300**	<29	<34	100	<29	<29	<30	130	<28	<29	<28	<28	<29	<45.7	**416**	<225	<88.1	<44.1	<42.6
Benzo[a]pyrene	1,000	1,000	**5,100**	<10	<12	89	<10	<11	<11	120	<10	<10	<10	<10	<10	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Benzo[b]fluoranthene	1,000	1,000	**6,400**	<13	<16	130	<13	<14	<14	170	<13	<13	<13	<13	<13	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Benzo[g,h,i]perylene	100,000	100,000	3,900	<20	<24	110 J	<20	<20	<21	110 J	<20	<20	<20	<20	<20	<91.4	<185	<450	<176	<88.3	<85.1
Benzo[k]fluoranthene	800	3,900	**2,600**	<15	<18	52 J	<15	<15	<16	78	<15	<15	<15	<15	<15	<45.7	99.9	<225	<88.1	<44.1	<42.6
Bis(2-chloroethoxy)methane	-	-	<23	<11	<13	<23	<11	<11	<11	<12	<11	<11	<11	<11	<11	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Bis(2-chloroethyl)ether	-	-	<18	<8.1	<9.7	<17	<8.1	<8.2	<8.6	<8.9	<8	<8.1	<8	<8	<8.1	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Bis(2-ethylhexyl) phthalate	-	-	<29	29 J	<16	<28	<13	<14	<14	87 J	<13	<13	<13	<13	<13	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Butyl benzyl phthalate	-	-	<23	<11	<13	<22	<11	<11	<11	17 J	<11	<11	<10	<11	<11	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Caprolactam	-	-	<53	<25	<30	<52	<25	<25	<26	<27	<25	<25	<24	<25	<25	<45.7	<92.5	<225	62.7	62.7	<42.6
Carbazole	-	-	880	<8.5	<10	<18	<8.5	<8.6	<9	18 J	<8.4	<8.5	<8.4	<8.5	<8.5	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Chrysene	1,000	3,900	**6,300**	<9.3	<11	110 J	<9.3	<9.5	<9.9	160 J	<9.3	<9.4	<9.3	<9.3	<9.4	<45.7	350	<225	<88.1	<44.1	<42.6
Dibenz(a,h)anthracene	330	330	**1,300**	<18	<21	<38	<18	<18	<19	<20	<18	<18	<18	<18	<18	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Dibenzofuran	7,000	59,000	740	<10	<12	<22	<10	<11	<11	<11	<10	<10	<10	<10	<10	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Diethyl phthalate	-	-	<21	<9.7	<12	<21	<9.7	<9.9	<10	<11	<9.7	<9.8	<9.7	<9.7	<9.8	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Dimethyl phthalate	-	-	<22	<9.9	<12	<21	<10	<10	<11	<11	<9.9	<10	<9.9	<9.9	<10	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Di-n-butyl phthalate	-	-	<22	<10	<12	<22	<10	<10	<11	12 J	<10	<10	<10	<10	<10	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Di-n-octyl phthalate	-	-	<38	<17	<21	<37	<17	<18	<19	<19	<17	<18	<17	<17	<17	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Fluoranthene	100,000	100,000	15,000	<10	<12	180 J	<10	<10	<11	260 J	<10	18 J	<10	<10	<10	<45.7	665	<225	<88.1	<44.1	<42.6
Fluorene	30,000	100,000	700 J	<7.5	<9	<16	<7.5	<7.6	<7.9	12 J	<7.4	<7.5	<7.4	<7.4	<7.5	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Hexachlorobenzene	330	1,200	<30	<14	<17	<29	<14	<14	<15	<15	<14	<14	<14	<14	<14	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Hexachlorobutadiene	-	-	<21	<9.6	<12	<20	<9.6	<9.8	<10	<11	<9.6	<9.7	<9.6	<9.6	<9.7	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Hexachlorocyclopentadiene	-	-	<46	<21	<26	<45	<21	<22	<23	<24	<21	<21	<21	<21	<21	<91.4	<185	<450	<176	<88.3	<85.1
Hexachloroethane	-	-	<27	<13	<15	<26	<13	<13	<13	<14	<12	<13	<12	<12	<13	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Indeno[1,2,3-cd]pyrene	500	500	**4,500**	<23	<27	110	<23	<23	<24	120	<23	<23	<23	<23	<23	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Isophorone	-	-	120 J	<7.3	<8.9	<16	<7.4	120 J	<7.8	<8.1	<7.3	<7.4	<7.3	<7.3	<7.4	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Naphthalene	12,000	100,000	140 J	<8.7	<10	22 J	<8.7	<8.8	<9.3	<9.6	<8.7	<8.8	<8.6	<8.7	<8.7	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Nitrobenzene	-	15,000	<23	<11	<13	<23	<11	<11	<11	<12	<11	<11	<11	<11	<11	<45.7	<92.5	<225	<88.1	<44.1	<42.6
N-Nitrosodi-n-propylamine	-	-	<25	<11	<14	<24	<12	<12	<12	<13	<11	<12	<11	<11	<12	<45.7	<92.5	<225	<88.1	<44.1	<42.6
N-Nitrosodiphenylamine	-	-	<67	<31	<37	<66	<31	<32	<33	<34	<31	<31	<31	<31	<31	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Pentachlorophenol	800	6,700	<90	<41	<50	<87	<41	<42	<44	<46	<41	<42	<41	<41	<42	<91.4	<185	<450	<176	<88.3	<85.1
Phenanthrene	100,000	100,000	10,000	<9.1	<11	85 J	<9.1	<9.3	<9.7	170 J	<9.1	22 J	<9.1	<9.1	<9.2	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Phenol	330	100,000	<24	<11	<13	<24	<11	<11	<12	<12	<11	<11	<11	<11	<11	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Pyrene	100,000	100,000	9,100	<16	<19	140 J	<16	<16	<17	210 J	<15	20 J	<15	<15	<16	<45.7	<92.5	<225	<88.1	<44.1	<42.6
Total SVOCs*			76,109	-	-	1,147	-	120	-	1,683	-	60	-	-	-		866		62.7	62.7	

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. NA = Not Applicable * = Includes Estimated Concentrations

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
** Data obtained from Advanced Cleanup Technologies, Inc September 2014 Phase Subsurface Investigation Report

TABLE 4.3.1 (CONTINUED)
SOIL ANALYTICAL DATA
64-02 & 64-06 QUEENS BOULEVARD, WOODSIDE, NY
OER PROJECT NO. 15EHAN504Q

Analyte	Track 1 Unrestricted Use SCOs	Track 2 Restricted Residential SCOs	SB-1	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4	SB-4	SB-5	SB-5	SB-6	SB-6	ACT SB-1**	ACT SB-2**		ACT SB-3**		
			0-2	21-23	10-12 (DUPLICATE OF 21-23)	0-2	17-19	0-2	9-11	0-2	18-20	0-2	16-18	0-2	18-20	3-5	3-5	12-14	0-4	3-5	15-20
			2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/3/2016	2/3/2016	2/4/2016	2/4/2016	2/3/2016	2/3/2016	2/3/2016	2/3/2016	August 2014					
Metals in milligrams per kilogram																					
Silver	2	180	<0.40	<0.34	<0.43	<0.37	<0.33	<0.29	<0.30	<0.40	<0.33	<0.28	<0.29	<0.29	<0.30	<0.544	<0.551	<0.535	<0.525	<0.525	<0.507
Aluminum	-	-	7,680	2,770	3,260	11,100	2,610	3,830	4,490	9,110	5,030	5,560	3,710	5,740	2,180	11,100	11,900	4,780	9,250	4,630	2,820
Arsenic	13	16	3.3 J	<0.94	<1.2	5.0	<0.92	0.97 J	1.4 J	3.0 J	<0.92	1.0 J	<0.80	<0.80	<0.82	3.03	3.2	2.24	4.01	1.19	<1.01
Barium	350	400	61.3	20.1 J	21.1 J	125	27.6 J	13.8 J	27.6 J	95.1	34.8 J	54.8	28.1 J	20.0 J	20.1 J	36.1	186	35.7	67.1	30.9	27.2
Beryllium	7.2	72	<0.38	<0.33	<0.42	0.48	<0.32	<0.28	0.37	0.48	0.32 J	0.30 J	0.28 J	0.28 J	<0.28	<0.109	<0.110	<0.107	<0.105	<0.105	<0.101
Calcium	-	-	43,700	759 J	904 J	21,400	443 J	447 J	613 J	5,100	567 J	1,460	1,040	709 J	766 J	1,540	9,380	4,790	3,460	1,370	686
Cadmium	2.5	4.3	<0.47	<0.40	<0.51	0.55 J	<0.39	<0.34	<0.36	<0.47	<0.39	<0.34	<0.34	<0.34	<0.35	<0.326	**3.76**	<0.321	<0.315	<0.315	<0.304
Cobalt	-	-	6.2 J	3.2 J	3.9 J	7.6 J	2.2 J	2.7 J	3.8 J	6.1 J	6.1 J	4.2 J	4.2 J	3.6 J	2.0 J	7.3	14.7	5.62	6.85	4.4	3.36
Chromium	30	180	12.9	8.5	8.7	26.1	8.1	7.1	12.0	18.9	10.6	10.7	10.3	12.9	5.4	18.5	24.1	11.7	15.6	9.01	7.05
Copper	50	270	**53.0**	6.7	8.4	**66.5**	5.9	10.1	8.4	35.2	9.8	15.1	8.0	13.5	4.5	12.2	**85.7**	25.9	**61.5**	23.4	6.61
Iron	-	-	17,100	7,890	9,520	18,300	7,290	6,190	12,100	14,800	9,880	10,500	7,870	8,640	4,300	16,400	35,200	11,700	14,700	9,300	7,740
Potassium	-	-	743 J	357 J	423 J	1,840	380 J	275 J	538 J	860 J	472 J	903	438 J	360 J	378 J	824	6,450	924	657	532	387
Magnesium	-	-	13,000	1,250	1,370	8,030	939	1,310	1,190	3,620	998	2,020	2,000	2,170	1,040	3,080	4,680	2,390	2,970	1,830	1,270
Manganese	1,600	2,000	224	102	104	249	72.2	182	212	353	279	236	326	296	161	247	477	192	266	205	208
Sodium	-	-	370 J	110 J	91.9 J	178 J	<63.3	<55.7	69.8 J	421 J	<63.5	133 J	89.5 J	103 J	63.2 J	212	168	201	264	162	101
Nickel	30	310	12.1	6.4 J	7.2 J	24.9	4.7 J	6.6	6.8 J	15.3	7.2 J	10.1	12.7	11.0	5.6 J	17.4	**32.7**	13.4	17.4	9.65	7.55
Lead	63	400	**126**	2.1	2.4 J	**303**	1.5 J	2.4	2.7	**112**	2.4	2.9	1.9	2.3	1.0 J	9.8	**239**	20.1	**75.5**	6.38	2.11
Antimony	-	-	<1.8	<1.5	<1.9	<1.6	<1.5	<1.3	<1.4	<1.8	<3.8	<1.3	<1.3	<1.3	<1.3	<0.511	<0.551	<0.535	<0.525	<0.525	<0.507
Selenium	3.9	180	<1.6	<1.3	<1.7	<1.4	<1.3	<1.1	<1.2	<1.6	<1.3	<1.1	<1.1	<1.1	<1.2	1.22	1.97	<1.07	<1.05	<1.05	<1.01
Vanadium	-	-	29.3	12.0	15.2	38.1	11.0	8.4	17.4	24.1	15.0	17.0	11.3	15.0	5.6 J	26.3	36.6	25.5	29.9	13.2	13.6
Zinc	109	10,000	**132**	14.3	16.4	**212**	10.7	11.1	17.8	**282**	19.4	19.0	13.4	16.4	8.4	31.1	**1,890**	62.5	**155**	39.0	12.1
Thallium	-	-	<2.0	<1.7	<2.2	<1.8	<1.7	<1.5	<1.5	<2.0	<1.7	<1.4	<1.4	<1.4	<1.5	<1.09	<1.10	<1.07	<1.05	<1.05	<1.01
Mercury	0.18	0.81	0.097	<0.012	<0.013	**0.31**	<0.012	<0.012	<0.012	0.12	<0.012	<0.012	<0.012	<0.012	<0.012	<0.0326	0.129	<0.0321	<0.0824	<0.0315	<0.0304
Pesticides in micrograms per kilogram																					
4,4'-DDD	3	13,000	<0.99	<0.91	<1.1	<0.96	<0.91	<0.93	<0.97	<1.0	<0.91	<0.92	<0.91	<0.91	<0.92	<1.80	<0.364	<1.77	<1.73	<1.73	<1.67
4,4'-DDE	3	8,900	<1.1	<1.0	<1.2	<1.1	<1.0	<1.0	<1.1	<1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.80	<0.364	<1.77	<1.73	<1.73	<1.67
4,4'-DDT	3	7,900	<0.78	<0.72	<0.86	<0.76	<0.72	<0.73	<0.76	<0.79	<0.71	<0.72	<0.71	<0.71	<0.72	<1.80	<0.364	<1.77	<1.73	<1.73	<1.67
Aldrin	5	97	<0.91	<0.84	<1.0	<0.89	<0.84	<0.85	<0.89	<0.93	<0.84	<0.85	<0.84	<0.84	<0.85	<1.80	<0.364	<1.77	<1.73	<1.73	<1.67
alpha-BHC	20	480	<0.69	<0.63	<0.76	<0.67	<0.63	<0.64	<0.67	<0.7	<0.63	<0.64	<0.63	<0.63	<0.64	<1.80	<0.364	<1.77	<1.73	<1.73	<1.67
beta-BHC	36	360	<0.73	<0.67	<0.81	<0.71	<0.67	<0.68	<0.72	<0.75	<0.67	<0.68	<0.67	<0.67	<0.68	<1.80	<0.364	<1.77	<1.73	<1.73	<1.67
Chlordane (total)	-	-	<33	<31	<37	<32	<31	<31	<33	<34	<30	<31	<30	<30	<31	<7.18	<1.45	<7.06	<6.92	<6.93	<6.69
delta-BHC	40	100,000	<0.82	<0.76	<0.91	<0.80	<0.76	<0.77	<0.81	<0.84	<0.75	<0.76	<0.75	<0.75	<0.76	<1.80	<0.364	<1.77	<1.73	<1.73	<1.67
Dieldrin	5	200	<0.98	<0.9	<1.1	<0.95	<0.90	<0.92	<0.96	<1.0	<0.9	<0.91	<0.9	<0.9	<0.91	<1.80	<0.364	<1.77	<1.73	<1.73	<1.67
Endosulfan I	2,400	24,000	<1.0	<0.96	<1.2	<1.0	<0.96	<0.98	<1.0	<1.1	<0.96	<0.97	<0.96	<0.96	<0.97	<1.80	<0.364	<1.77	<1.73	<1.73	<1.67
Endosulfan II	2,400	24,000	<1.2	<1.1	<1.3	<1.2	<1.1	<1.1	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.80	<0.364	<1.77	<1.73	<1.73	<1.67
Endosulfan sulfate	2,400	24,000	<0.88	<0.81	<0.98	<0.85	<0.81	<0.82	<0.86	<0.89	<0.81	<0.82	<0.8	<0.81	<0.82	<1.80	<0.364	<1.77	<1.73	<1.73	<1.67
Endrin	14	11,000	<0.96	<0.88	<1.1	<0.93	<0.88	<0.89	<0.94	<0.97	<0.88	<0.89	<0.88	<0.88	<0.89	<1.80	<0.364	<1.77	<1.73	<1.73	<1.67
Endrin aldehyde	-	-	<0.93	<0.86	<1.0	<0.91	<0.86	<0.87	<0.92	<0.95	<0.86	<0.87	<0.86	<0.86	<0.87	<1.80	<0.364	<1.77	<1.73	<1.73	<1.67
Endrin ketone	-	-	<1.0	<0.96	<1.2	<1.0	<0.96	<0.98	<1.0	<1.1	<0.96	<0.97	<0.96	<0.96	<0.97	<1.80	<0.364	<1.77	<1.73	<1.73	<1.67
gamma-BHC (Lindane)	100	1,300	<0.67	<0.62	<0.75	<0.66	<0.62	<0.63	<0.66	<0.69	<0.62	<0.63	<0.62	<0.62	<0.63	<1.80	<0.364	<1.77	<1.73	<1.73	<1.67
Heptachlor	42	2,100	<0.97	<0.89	<1.1	<0.94	<0.89	<0.91	<0.95	<0.99	<0.89	<0.9	<0.89	<0.89	<0.9	<1.80	<0.364	<1.77	<1.73	<1.73	<1.67
Heptachlor epoxide	-	-	<1.5	<1.4	<1.6	<1.4	<1.4	<1.4	<1.4	<1.5	<1.4	<1.4	<1.4	<1.4	<1.4	<1.80	<0.364	<1.77	<1.73	<1.73	<1.67
Methoxychlor	-	-	<1.6	<1.5	<1.8	<1.6	<1.5	<1.5	<1.6	<1.6	<1.5	<1.5	<1.5	<1.5	<1.5	<8.98	<1.82	<8.83	<8.66	<8.67	<8.36
Toxaphene	-	-	<22	<20	<24	<21	<20	<21	<22	<22	<20	<20	<20	<20	<20	<90.9	<18.4	<89.4	<87.6	<87.7	<84.6
Polychlorinated Biphenyls in micrograms per kilogram																					
Aroclor 1016	100	1,000	<10	<9.2	<11	<9.7	<9.2	<9.4	<9.8	<10	<9.2	<9.3	<9.2	<9.2	<9.3	<18.5	<18.7	<18.2	<17.8	<17.9	<17.2
Aroclor 1221	100	1,000	<10	<9.2	<11	<9.7	<9.2	<9.4	<9.8	<10	<9.2	<9.3	<9.2	<9.2	<9.3	<18.5	<18.7	<18.2	<17.8	<17.9	<17.2
Aroclor 1232	100	1,000	<10	<9.2	<11	<9.7	<9.2	<9.4	<9.8	<10	<9.2	<9.3	<9.2	<9.2	<9.3	<18.5	<18.7	<18.2	<17.8	<17.9	<17.2
Aroclor 1242	100	1,000	<10	<9.2	<11	<9.7	<9.2	<9.4	<9.8	<10	<9.2	<9.3	<9.2	<9.2	<9.3	<18.5	<18.7	<18.2	<17.8	<17.9	<17.2
Aroclor 1248	100	1,000	<10	<9.2	<11	<9.7	<9.2	<9.4	<9.8	<10	<9.2	<9.3	<9.2	<9.2	<9.3	<18.5	<18.7	<18.2	<17.8	<17.9	<17.2
Aroclor 1254	100	1,000	<10	<9.5	<12	<10	<9.5	<9.7	<10	<11	<9.5	<9.6	<9.5	<9.5	<9.6	<18.5	<18.7	<18.2	<17.8	<17.9	<17.2
Aroclor 1260	100	1,000	<10	<9.5	<12	<10	<9.5	<9.7	<10	<11	<9.5	<9.6	<9.5	<9.5	<9.6	<18.5	<18.7	<18.2	<17.8	<17.9	<17.2
Aroclor 1268	100	1,000	<10	<9.5	<12	<10	<9.5	<9.7	<10	<11	<9.5	<9.6	<9.5	<9.5	<9.6	NA	NA	NA	NA	NA	NA
Aroclor-1262	100	1,000	<10	<9.5	<12	<10	<9.5	<9.7	<10	<11	<9.5	<9.6	<9.5	<9.5	<9.6	<18.5	<18.7	<18.2	<17.8	<17.9	<17.2

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
** Data obtained from Advanced Cleanup Technologies, Inc September 2014 Phase Subsurface Investigation Report

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TABLE 4.3.2
GROUNDWATER ANALYTICAL DATA
64-02 & 64-06 QUEENS BOULEVARD, WOODSIDE, NY
OER PROJECT NO. 15EHAN504Q

Analyte	NYSDEC Class GA Ambient Water Quality Standard	MW-1 2/11/2016	MW-4 (duplicate of MW-1) 2/11/2016	MW-2 2/11/2016	MW-3 2/11/2016
Volatile Organic Compounds in micrograms per liter					
1,1,1-Trichloroethane	5	<0.28	<0.28	<0.28	<0.28
1,1,2,2-Tetrachloroethane	5	<0.19	<0.19	<0.19	<0.19
1,1,2-Trichloro-1,2,2-trifluoroethane	-	<0.34	<0.34	<0.34	<0.34
1,1,2-Trichloroethane	-	<0.080	<0.080	<0.080	<0.080
1,1-Dichloroethane	5	<0.24	<0.24	<0.24	<0.24
1,1-Dichloroethene	5	<0.34	<0.34	<0.34	<0.34
1,2,3-Trichlorobenzene	-	<0.35	<0.35	<0.35	<0.35
1,2,4-Trichlorobenzene	5	<0.27	<0.27	<0.27	<0.27
1,2-Dibromo-3-Chloropropane	-	<0.23	<0.23	<0.23	<0.23
1,2-Dichlorobenzene	3	<0.22	<0.22	<0.22	<0.22
1,2-Dichloroethane	5	<0.25	<0.25	<0.25	<0.25
1,2-Dichloropropane	-	<0.18	<0.18	<0.18	<0.18
1,3-Dichlorobenzene	5	<0.33	<0.33	<0.33	<0.33
1,4-Dichlorobenzene	5	<0.33	<0.33	<0.33	<0.33
1,4-Dioxane	-	<8.7	<8.7	<8.7	<8.7
2-Butanone (MEK)	50	<2.2	<2.2	<2.2	<2.2
2-Hexanone	-	<0.72	<0.72	<0.72	<0.72
4-Methyl-2-pentanone (MIBK)	-	<0.63	<0.63	<0.63	<0.63
Acetone	-	<1.1	<1.1	<1.1	<1.1
Benzene	1	<0.090	<0.090	<0.090	<0.090
Bromoform	-	<0.18	<0.18	<0.18	<0.18
Bromomethane	-	<0.18	<0.18	<0.18	<0.18
Carbon disulfide	60	<0.22	<0.22	<0.22	<0.22
Carbon tetrachloride	5	<0.33	<0.33	<0.33	<0.33
Chlorobenzene	5	<0.24	<0.24	<0.24	<0.24
Chlorobromomethane	-	<0.30	<0.30	<0.30	<0.30
Chlorodibromomethane	-	<0.22	<0.22	<0.22	<0.22
Chloroethane	5	<0.37	<0.37	<0.37	<0.37
Chloroform	7	0.36 J	0.32 J	<0.22	<0.22
Chloromethane	-	<0.22	<0.22	<0.22	<0.22
cis-1,2-Dichloroethene	5	<0.26	<0.26	<0.26	<0.26
cis-1,3-Dichloropropene	-	<0.16	<0.16	<0.16	<0.16
Cyclohexane	-	<0.26	<0.26	<0.26	<0.26
Dichlorobromomethane	-	<0.15	<0.15	<0.15	<0.15
Dichlorodifluoromethane	-	<0.14	<0.14	<0.14	<0.14
Ethylbenzene	5	<0.30	<0.30	<0.30	<0.30
Ethylene Dibromide	-	<0.19	<0.19	<0.19	<0.19
Isopropylbenzene	5	<0.32	<0.32	<0.32	<0.32
Methyl acetate	-	<0.58	<0.58	<0.58	<0.58
Methyl tert-butyl ether	10	<0.13	<0.13	<0.13	<0.13
Methylcyclohexane	-	<0.22	<0.22	<0.22	<0.22
Methylene Chloride	5	<0.21	<0.21	<0.21	<0.21
m-Xylene & p-Xylene	-	<0.28	<0.28	<0.28	<0.28
o-Xylene	-	<0.32	<0.32	<0.32	<0.32
Styrene	-	<0.17	<0.17	<0.17	<0.17
Tetrachloroethene	5	1.4	<0.12	0.24 J	<0.12
Toluene	5	<0.25	<0.25	<0.25	<0.25
trans-1,2-Dichloroethene	5	<0.18	<0.18	<0.18	<0.18
trans-1,3-Dichloropropene	-	<0.19	<0.19	<0.19	<0.19
Trichloroethene	5	<0.22	<0.22	<0.22	<0.22
Trichlorofluoromethane	-	<0.15	<0.15	<0.15	<0.15
Vinyl chloride	2	<0.060	<0.060	<0.060	<0.060

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

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TABLE 4.3.2 (CONTINUED)
GROUNDWATER ANALYTICAL DATA
64-02 & 64-06 QUEENS BOULEVARD, WOODSIDE, NY
OER PROJECT NO. 15EHAN504Q

Analyte	NYSDEC Class GA Ambient Water Quality Standard	MW-1 2/11/2016	MW-4 (duplicate of MW-1) 2/11/2016	MW-2 2/11/2016	MW-3 2/11/2016
Semivolatile Organic Compounds in micrograms per liter					
1,1'-Biphenyl	-	<0.63	<0.63	<0.63	NA
1,2,4,5-Tetrachlorobenzene	-	<0.43	<0.43	<0.43	NA
2,2'-oxybis[1-chloropropane]	-	<0.93	<0.93	<0.93	NA
2,3,4,6-Tetrachlorophenol	-	<0.69	<0.69	<0.69	NA
2,4,5-Trichlorophenol	-	<0.49	<0.49	<0.49	NA
2,4,6-Trichlorophenol	-	<0.53	<0.53	<0.53	NA
2,4-Dichlorophenol	1	<0.63	<0.63	<0.63	NA
2,4-Dimethylphenol	-	<0.91	<0.91	<0.91	NA
2,4-Dinitrophenol	1	<2.4	<2.4	<2.4	NA
2,4-Dinitrotoluene	-	<1.0	<1.0	<1.0	NA
2,6-Dinitrotoluene	5	<0.88	<0.88	<0.88	NA
2-Chloronaphthalene	-	<0.61	<0.61	<0.61	NA
2-Chlorophenol	-	<0.74	<0.74	<0.74	NA
2-Methylnaphthalene	-	<0.88	<0.88	<0.88	NA
2-Methylphenol	-	<1.3	<1.3	<1.3	NA
2-Nitroaniline	5	<0.65	<0.65	<0.65	NA
2-Nitrophenol	-	<0.59	<0.59	<0.59	NA
3,3'-Dichlorobenzidine	-	<1.0	<1.0	<1.0	NA
3-Nitroaniline	5	<0.82	<0.82	<0.82	NA
4,6-Dinitro-2-methylpheno	-	<2.0	<2.0	<2.0	NA
4-Bromophenyl phenyl ether	-	<1.0	<1.0	<1.0	NA
4-Chloro-3-methylpheno	-	<0.76	<0.76	<0.76	NA
4-Chloroaniline	5	<0.73	<0.73	<0.73	NA
4-Chlorophenyl phenyl ether	-	<0.96	<0.96	<0.96	NA
4-Methylphenol	-	<0.87	<0.87	<0.87	NA
4-Nitroaniline	-	<0.48	<0.48	<0.48	NA
4-Nitrophenol	-	<4.7	<4.7	<4.7	NA
Acenaphthene	-	<0.88	<0.88	<0.88	NA
Acenaphthylene	-	<0.65	<0.65	<0.65	NA
Acetophenone	-	<1.0	<1.0	<1.0	NA
Anthracene	50	<0.57	<0.57	<0.57	NA
Atrazine	-	<0.77	<0.77	<0.77	NA
Benzaldehyde	-	<0.86	<0.86	<0.86	NA
Benzo[a]anthracene	-	<0.55	<0.55	<0.55	NA
Benzo[a]pyrene	ND	<0.16	<0.16	<0.16	NA
Benzo[b]fluoranthene	-	<0.44	<0.44	<0.44	NA
Benzo[g,h,i]perylene	-	<0.75	<0.75	<0.75	NA
Benzo[k]fluoranthene	-	<0.18	<0.18	<0.18	NA
Bis(2-chloroethoxy)methane	-	<0.69	<0.69	<0.69	NA
Bis(2-chloroethyl)ether	-	<0.12	<0.12	<0.12	NA
Bis(2-ethylhexyl) phthalate	5	<0.72	<0.72	<0.72	NA
Butyl benzyl phthalate	-	<0.60	<0.60	<0.60	NA
Caprolactam	-	<1.1	<1.1	<1.1	NA
Carbazole	-	<0.85	<0.85	<0.85	NA
Chrysene	-	<0.67	<0.67	<0.67	NA
Dibenz(a,h)anthracene	-	<0.090	<0.090	<0.090	NA
Dibenzofuran	-	<0.85	<0.85	<0.85	NA
Diethyl phthalate	-	1.4 J	<1.0	<1.0	NA
Dimethyl phthalate	-	<0.98	<0.98	<0.98	NA
Di-n-butyl phthalate	50	<0.82	<0.82	<0.82	NA
Di-n-octyl phthalate	-	<0.69	<0.69	<0.69	NA
Fluoranthene	-	<0.72	<0.72	<0.72	NA
Fluorene	-	<0.80	<0.80	<0.80	NA
Hexachlorobenzene	0.04	<0.47	<0.47	<0.47	NA
Hexachlorobutadiene	-	<0.76	<0.76	<0.76	NA
Hexachlorocyclopentadiene	-	<0.61	<0.61	<0.61	NA
Hexachloroethane	-	<0.090	<0.090	<0.090	NA
Indeno[1,2,3-cd]pyrene	-	<0.21	<0.21	<0.21	NA
Isophorone	-	<0.67	<0.67	<0.67	NA
Naphthalene	-	<0.80	<0.80	<0.80	NA
Nitrobenzene	0.4	<0.49	<0.49	<0.49	NA
N-Nitrosodi-n-propylamine	-	<0.83	<0.83	<0.83	NA
N-Nitrosodiphenylamine	-	<0.74	<0.74	<0.74	NA
Pentachlorophenol	1	<2.2	<2.2	<2.2	NA
Phenanthrene	-	<0.65	<0.65	<0.65	NA
Phenol	1	<0.41	<0.41	<0.41	NA
Pyrene	-	<0.83	<0.83	<0.83	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
NA = Not analyzed

FPM

TABLE 4.3.2 (CONTINUED)
GROUNDWATER ANALYTICAL DATA
64-02 & 64-06 QUEENS BOULEVARD, WOODSIDE, NY
OER PROJECT NO. 15EHAN504Q

Analyte	NYSDEC Class GA Ambient Water Quality Standard	MW-1 2/11/2016	MW-4 (duplicate of MW-1) 2/11/2016	MW-2 2/11/2016	MW-3 2/11/2016
Total Metals in micrograms per liter					
Aluminum	-	248,000	245,000	385,000	NA
Antimony	3	<47.0	<47.0	<47.0	NA
Arsenic	25	**98.7 J**	**92.2 J**	**178**	NA
Barium	1,000	**3,220**	**3,020**	**8,070**	NA
Beryllium	-	18.7 J	<18.0	32.2	NA
Cadmium	5	<23.2	<23.2	<23.2	NA
Calcium	-	241,000	199,000	169,000	NA
Chromium	50	**791**	**724**	**1,120**	NA
Cobalt	-	308 J	282 J	617	NA
Copper	200	**731**	**586**	**1,140**	NA
Iron	300	**540,000**	**487,000**	**1,820,000**	NA
Lead	25	**349**	**186**	**333**	NA
Magnesium	3,500	**129,000**	**139,000**	**130,000**	NA
Manganese	300	**16,200**	**8,960**	**62,400**	NA
Nickel	100	**569**	**548**	**795**	NA
Potassium	-	46,300 J	58,300	54,900	NA
Selenium	10	<67.6	<67.6	<67.6	NA
Silver	50	<18.6	<18.6	<18.6	NA
Sodium	20,000	**427,000**	**412,000**	**301,000**	NA
Thallium	-	<45.2	<45.2	<45.2	NA
Vanadium	-	827	799	1,870	NA
Zinc	2,000	1,480	1,280	1,540	NA
Mercury	0.7	0.58	0.17 J	<0.14	NA
Dissolved Metals in micrograms per liter					
Aluminum	-	<69.5	<69.5	<69.5	NA
Antimony	3	<4.7	<4.7	<4.7	NA
Arsenic	25	<4.4	<4.4	<4.4	NA
Barium	1,000	264	274	130 J	NA
Beryllium	-	<1.8	<1.8	<1.8	NA
Cadmium	5	<2.3	<2.3	<4.0	NA
Calcium	-	135,000	128,000	135,000	NA
Chromium	50	<4.5	<4.5	<4.5	NA
Cobalt	-	<5.1	<5.1	<5.1	NA
Copper	200	<5.0	<5.0	<5.0	NA
Iron	300	<65.4	<65.4	<65.4	NA
Lead	25	<4.2	<4.2	<4.2	NA
Magnesium	3,500	**23,700**	**23,500**	**32,200**	NA
Manganese	300	**887**	**465**	21.4	NA
Nickel	100	<5.4	<5.4	<5.4	NA
Potassium	-	5,020	4,610 J	4,070 J	NA
Selenium	10	<6.8	<6.8	<6.8	NA
Silver	50	<1.9	<1.9	<1.9	NA
Sodium	20,000	**466,000**	**476,000**	**333,000**	NA
Thallium	-	<4.5	<4.5	<4.5	NA
Vanadium	-	<4.4	<4.4	<4.4	NA
Zinc	2,000	<5.9	<5.9	<5.9	NA
Mercury	0.7	<0.14	<0.14	<0.14	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
NA = Not analyzed

FPM

TABLE 4.3.2 (CONTINUED)
GROUNDWATER ANALYTICAL DATA
64-02 & 64-06 QUEENS BOULEVARD, WOODSIDE, NY
OER PROJECT NO. 15EHAN504Q

Analyte	NYSDEC Class GA Ambient Water Quality Standard	MW-1 2/11/2016	MW-4 (duplicate of MW-1) 2/11/2016	MW-2 2/11/2016	MW-3 2/11/2016
Pesticides in micrograms per liter					
4,4'-DDD	0.3	<0.0051	<0.0050	<0.0050	NA
4,4'-DDE	0.2	<0.0041	<0.0040	<0.0040	NA
4,4'-DDT	0.2	<0.0041	<0.0040	<0.0040	NA
Aldrin	ND	<0.0041	<0.0040	<0.0040	NA
alpha-BHC	-	<0.0061	<0.0060	<0.0060	NA
beta-BHC	-	<0.0051	<0.0050	<0.0050	NA
Chlordane (technical)	0.05	<0.13	<0.13	<0.13	NA
delta-BHC	-	<0.0061	<0.0060	<0.0060	NA
Dieldrin	0.004	<0.0041	<0.0040	<0.0040	NA
Endosulfan I	-	<0.0051	<0.0050	<0.0050	NA
Endosulfan II	-	<0.0041	<0.0040	<0.0040	NA
Endosulfan sulfate	-	<0.0051	<0.0050	<0.0050	NA
Endrin	ND	<0.0041	<0.0040	<0.0040	NA
Endrin aldehyde	5	<0.0041	<0.0040	<0.0040	NA
Endrin ketone	5	<0.0041	<0.0040	<0.0040	NA
gamma-BHC (Lindane)	-	<0.0041	<0.0040	<0.0040	NA
Heptachlor	0.04	<0.0041	<0.0040	<0.0040	NA
Heptachlor epoxide	0.03	<0.0041	<0.0040	<0.0040	NA
Methoxychlor	35	<0.0041	<0.0040	<0.0040	NA
Toxaphene	0.06	<0.061	<0.060	<0.060	NA
Polychlorinated Biphenyls in micrograms per liter					
Aroclor 1016	0.09	<0.10	<0.098	<0.098	NA
Aroclor 1221	0.09	<0.10	<0.098	<0.098	NA
Aroclor 1232	0.09	<0.10	<0.098	<0.098	NA
Aroclor 1242	0.09	<0.10	<0.098	<0.098	NA
Aroclor 1248	0.09	<0.10	<0.098	<0.098	NA
Aroclor 1254	0.09	<0.086	<0.084	<0.084	NA
Aroclor 1260	0.09	<0.086	<0.084	<0.084	NA
Aroclor 1268	0.09	<0.086	<0.084	<0.084	NA
Aroclor-1262	0.09	<0.086	<0.084	<0.084	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
NA = Not analyzed

TABLE 4.3.3
SOIL VAPOR ANALYTICAL DATA
64-02 & 64-06 QUEENS BOULEVARD, WOODSIDE, NY
OER PROJECT NO. 15EHAN504Q

Analyte	SV-1	SV-2	SV-3	SV-4	SV-5	ACT SV-1**	ACT SV-2
	8-9	8-9	8-9	8-9	8-9	5	5
	2/3-4/16	2/3-4/16	2/3-4/16	2/3-4/16	2/3-4/16	August 2014	
Volatile Organic Compounds in micrograms per cubic meter							
1,1,1-Trichloroethane	<0.82	<0.82	<0.82	<0.82	<0.82	<11	<10
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<14	<13
1,1,2-Trichloroethane	<0.82	<0.82	<0.82	<0.82	<0.82	<11	<10
1,1-Dichloroethane	<0.61	<0.61	<0.61	<0.61	<0.61	<8.0	<7.6
1,1-Dichloroethene	<0.59	<0.59	<0.59	<0.59	<0.59	7.8	<7.4
1,2,4-Trichlorobenzene	<1.1	<1.1	<1.1	<1.1	<1.1	<15	<14
1,2,4-Trimethylbenzene	9.0	7.7	6.1	13	4.3	17	17
1,2-Dibromethane	<1.2	<1.2	<1.2	<1.2	<1.2	<15	<14
1,2-Dichlorobenzene	<0.90	<0.90	<0.90	<0.90	<0.90	<12	<11
1,2-Dichloroethane	<0.61	<0.61	<0.61	<0.61	<0.61	<8.0	<7.6
1,2-Dichloropropane	<0.69	<0.69	<0.69	<0.69	<0.69	<9.0	<8.5
1,3,5-Trimethylbenzene	3.0	3.1	2.4	5.9	2.0	<9.7	<9.2
1,3-butadiene	<0.33	<0.33	<0.33	<0.33	<0.33	<8.6	<8.1
1,3-Dichlorobenzene	<0.90	<0.90	<0.90	<0.90	<0.90	<12	<11
1,4-Dichlorobenzene	<0.90	<0.90	<0.90	<0.90	<0.90	<12	<11
1,4-Dioxane	<1.1	<1.1	<1.1	<1.1	<1.1	<7.1	<6.7
2,2,4-Trimethylpentane	6.6	7.3	3.4	2.8	4.0	NA	NA
4-Ethyltoluene	3.5	4.0	2.7	7.0	2.3	17	14
Acetone	<0.71	<0.71	<0.71	<0.71	<0.71	1,500	2,200
Allyl chloride	<0.47	<0.47	<0.47	<0.47	<0.47	<9.0	<8.5
Benzene	5.0	11	4.2	4.9	9.3	<6.3	<6.0
Benzyl chloride	<0.86	<0.86	<0.86	<0.86	<0.86	<10	<9.7
Bromodichloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<12	<12
Bromoform	<1.6	<1.6	<1.6	<1.6	<1.6	<20	<19
Bromomethane	<0.58	<0.58	<0.58	<0.58	<0.58	<7.7	<7.2
Carbon disulfide	1.0	0.40 J	0.40 J	0.56	1.4	<6.2	<5.8
Carbon tetrachloride	<0.94	<0.94	<0.94	<0.94	<0.94	<3.1	<2.9
Chlorobenzene	<0.69	<0.69	<0.69	<0.69	<0.69	<9.1	<8.6
Chloroethane	<0.40	<0.40	<0.40	<0.40	<0.40	<5.2	<4.9
Chloroform	1.6	1.0	<0.73	<0.73	1.3	<9.6	10
Chloromethane	<0.31	<0.31	<0.31	<0.31	<0.31	<4.1	<3.9
cis-1,2-Dichloroethene	<0.59	<0.59	<0.59	<0.59	<0.59	<7.8	<7.4
cis-1,3-Dichloropropene	<0.68	<0.68	<0.68	<0.68	<0.68	<9.0	<8.5
Cyclohexane	<0.52	<0.52	<0.52	<0.52	<0.52	<6.8	<6.4
Dibromochloromethane	<1.3	<1.3	<1.3	<1.3	<1.3	<16	<15
Ethyl acetate	<0.90	<0.90	<0.90	<0.90	<0.90	<14	<13
Ethylbenzene	6.6	14	6.1	12	6.9	10	8.1
Freon 11	1.9	3.9	5.3	2.0	1,800	<11	<10
Freon 113	<1.1	<1.1	<1.1	<1.1	<1.1	<15	<14
Freon 114	<1.0	<1.0	<1.0	<1.0	<1.0	<14	<13
Freon 12	2.9	15	3.4	27	10	13	9
Heptane	19	32	<0.61	12	12	8.9	<7.7
Hexachloro-1,3-butadiene	<1.6	<1.6	<1.6	<1.6	<1.6	<21	<20
Hexane	12	<0.53	<0.53	<0.53	<0.53	<7.0	28
Isopropyl alcohol	<0.37	<0.37	<0.37	<0.37	<0.37	12	9.6
m&p-xylene	28	43	29	42	30	41	32
Methyl Butyl Ketone	68	170	83	52	80	<16	<15
Methyl Ethyl Ketone	1,100	2,200	1,300	640	840	60	73
Methyl Isobutyl Ketone	4.1	5.0	3.2	2.3	3.0	<6.1	<7.6
Methyl tert-butyl ether	<0.54	<0.54	<0.54	<0.54	<0.54	<7.1	<6.7
Methylene chloride	4.4	7.6	3.5	3.0	3.3	17	67
o-Xylene	5.8	8.6	4.9	10	5.1	12	9.7
Propylene	<0.26	<0.26	<0.26	<0.26	<0.26	<3.4	<3.2
Styrene	<0.64	<0.64	<0.64	<0.64	<0.64	<8.4	<8.0
Tetrachloroethene	1.9	<1.0	<1.0	1.3	2.0	220	460
Tetrahydrofuran	<0.44	<0.44	<0.44	<0.44	<0.44	<5.8	<5.5
Toluene	37	82	38	52	44	29	26
trans-1,2-Dichloroethene	<0.59	<0.59	<0.59	<0.59	<0.59	<7.8	<7.4
trans-1,3-Dichloropropene	<0.68	<0.68	<0.68	<0.68	<0.68	<9.0	<8.5
Trichloroethene	<0.81	<0.81	<0.81	<0.81	<0.81	<2.7	12
Vinyl acetate	<0.53	<0.53	<0.53	<0.53	<0.53	<7.0	<6.6
Vinyl Bromide	<0.66	<0.66	<0.66	<0.66	<0.66	<7.7	<7.2
Vinyl chloride	<0.38	<0.38	<0.38	<0.38	<0.38	<2.5	<2.4

Notes:

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

E = Analyet detected above the quantation range.

** Data obtained from Advanced Cleanup Technologies, Inc September 2014 Phase Subsurface Investigation Report

FPM

APPENDIX 1

PHASE I REPORT

APPENDIX 2

HEALTH AND SAFETY PLAN

APPENDIX 3

SOIL BORING LOGS, SAMPLING LOGS, AND DAILY LOGS

FPM GROUP

Ronkonkoma,NY

PROJECT NAME	Queens Boulevard			FPM JOB #	
SITE ADDRESS	64-02 & 64-06 Queens Boulevard, Woodside				
BORING/WELL	SB-1	TOTAL DEPTH	25'	DIAMETER	-
TOC ELEV.	-	WATER LEVEL INITIAL	-	STATIC	-
SCREEN DIA.	-	LENGTH	-	SLOT SIZE	-
CASING DIA.	-	LENGTH	-	TYPE	-
DRILLING COMP	Laurel	DRILLING METHOD		DP	
DRILLER	Steve	LOG BY	GH	DATE DRILLED	2/4/16

SITE MAP

see figure

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 2' rec. Brown med-fine silty sand w/ angular gravel, asphalt, brick NO o/s
4		0		fill	
6					5-10 1' rec SAA
8		0			10-15 4' rec
10		0			10-12 Light brown med-fine silty sand w/ fine gravel NO o/s
12					12-15 Brown med-fine sand w/ fine gravel NO o/s
14		0			15-20 4' rec SAA
16		0		SP	20-25 4' rec water @ 23'
18		0			SAA
20		0			Duplicate of 21-23' is 10-12'
22	21-23				
24		0			
26					
28					
30					

FPM GROUP

Ronkonkoma,NY

PROJECT NAME	Queens Boulevard		FPM JOB #		
SITE ADDRESS	64-02 & 64-06 Queens Boulevard, Woodside				
BORING/WELL	SB-2	TOTAL DEPTH	25'	DIAMETER	-
TOC ELEV.	-	WATER LEVEL INITIAL	-	STATIC	-
SCREEN DIA.	-	LENGTH	-	SLOT SIZE	-
CASING DIA.	-	LENGTH	-	TYPE	-
DRILLING COMP	Laurel	DRILLING METHOD		DP	
DRILLER	Steve	LOG BY	GH	DATE DRILLED	2/4/16

SITE MAP

see figure

DEPTH (FT)	SAMPLE	PID (PPM)	WELL CONSTRUCTION	GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (INTERVAL, RECOVERY, COLOR, MATRIX TYPE, MOISTURE CONTENT, COMMENTS)
	0-2	0			0-5 3' rec
2				fill	Brown silty sand w/ angular gravel, asphalt NO O/S
4		0			5-10 2.5' rec
6					5-8 Brown med-fine sand w/gravel NO O/S
		0			
8					8-10 Brown med-fine silty sand w/ fine gravel NO O/S
10		0		SP	
					10-15 2' rec SAA
12		0			
14					15-20 3.5' rec water @ 19'
		0			15-18 Tan med-fine sand NO O/S
16					18-20 Tan sandy clay w/ some fine gravel NO O/S
18	17-19	0			
					20-25 3' rec SAA
20		0		SC	
22		0			
24		0			
26					
28					
30					

FPM GROUP

Ronkonkoma,NY

PROJECT NAME	Queens Boulevard			FPM JOB #	
SITE ADDRESS	64-02 & 64-06 Queens Boulevard, Woodside				
BORING/WELL	SB-3	TOTAL DEPTH	25'	DIAMETER	
TOC ELEV.	-	WATER LEVEL INITIAL	-	STATIC	-
SCREEN DIA.	-	LENGTH	-	SLOT SIZE	-
CASING DIA.	-	LENGTH	-	TYPE	-
DRILLING COMP	Laurel	DRILLING METHOD		DP	
DRILLER	Steve	LOG BY	GH	DATE DRILLED	2/3/16

SITE MAP

see figure

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 2' rec. Brown med-fine sand w/angular gravel NO O/S
4		0		fill	5-10 3' rec. 5-7 SAA 7-10 Light brown fine sandy clay w/ Some fine gravel NO O/S
6					
8		0			
10	9-11			SC	10-15 3' rec water @ 11' SAA
12		0			
14		0			15-20 2.5' rec 15-16 SAA 16-20 Brown med-fine sand w/gravel NO O/S
16					
18		0		SP	20-25' 4' rec Brown sandy clay NO O/S
20					
22		0		SC	
24		0			
26					
28					
30					

FPM GROUP

Ronkonkoma,NY

PROJECT NAME	Queens Boulevard			FPM JOB #	
SITE ADDRESS	64-02 & 64-06 Queens Boulevard, Woodside				
BORING/WELL	SB-4	TOTAL DEPTH	25	DIAMETER	-
TOC ELEV.	-	WATER LEVEL INITIAL	-	STATIC	-
SCREEN DIA.	-	LENGTH	-	SLOT SIZE	-
CASING DIA.	-	LENGTH	-	TYPE	-
DRILLING COMP	Laurel	DRILLING METHOD		DP	
DRILLER	Steve	LOG BY	GH	DATE DRILLED	2/4/16

SITE MAP

see figure

DEPTH (FT)	SAMPLE	PID (PPM)	WELL CONSTRUCTION	GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (INTERVAL, RECOVERY, COLOR, MATRIX TYPE, MOISTURE CONTENT, COMMENTS)
	0-2	0			0-5 2' rec.
2					Brown med-fine sand w/ angular gravel, silt NO O/S
				Fill	
4		0			5-10 1.5' rec
					5-7.5 SAA
6		0			7.5-10 Light brown silty sand w/ gravel NO O/S
8					
					10-15 SAA
10		0			
				SP	15-20 3.5' rec
12		0			15-19 Tan med.-fine silty sand NO O/S
					19-~~20~~ 19.5 Tan sandy clay NO O/S
14		0			19.5-20 Tan med-fine sand NO O/S
16					20-25 4' rec water @ 20'
		0			Light brown sandy clay w/ gravel NO O/S
18					
	18-20			SC	
20		0		SP	
22		0		SC	
24		0			
26					
28					
30					

FPM GROUP

Ronkonkoma,NY

PROJECT NAME	Queens Boulevard		FPM JOB #		
SITE ADDRESS	64-02 & 64-06 Queens Boulevard, Woodside				
BORING/WELL	SB-5	TOTAL DEPTH	25'	DIAMETER	
TOC ELEV.	-	WATER LEVEL INITIAL	-	STATIC	-
SCREEN DIA.	-	LENGTH	-	SLOT SIZE	-
CASING DIA.	-	LENGTH	-	TYPE	-
DRILLING COMP	Laurel	DRILLING METHOD		DP	
DRILLER	Steve	LOG BY	GH	DATE DRILLED	2/3/16

SITE MAP

see figure

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 1' recovery Brown med-fine sand w/ angular gravel No o/s
4		0		f:11	5-10 2.5' rec. SAA
6					
8		0			10-15 2.5' rec. fine brown sand w/ some fine gravel No o/s
10					
12		0			15-20 3' rec SAA water @ 18'
14		0			20-25' 3' rec SAA
16	16-18	0		SP	
18					
20		0			
22		0			
24		0			
26					
28					
30					

FPM GROUP

Ronkonkoma,NY

PROJECT NAME	Queens Boulevard		FPM JOB #		
SITE ADDRESS	64-02 & 64-06 Queens Boulevard, Woodside				
BORING/WELL	SB-6	TOTAL DEPTH	25'	DIAMETER	-
TOC ELEV.	-	WATER LEVEL INITIAL	-	STATIC	-
SCREEN DIA.	-	LENGTH	-	SLOT SIZE	-
CASING DIA.	-	LENGTH	-	TYPE	-
DRILLING COMP	Laurel	DRILLING METHOD		DP	
DRILLER	Steve	LOG BY	GH	DATE DRILLED	2/3/16

SITE MAP

see figure

DEPTH (FT)	SAMPLE	PID (PPM)	WELL CONSTRUCTION	GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (INTERVAL, RECOVERY, COLOR, MATRIX TYPE, MOISTURE CONTENT, COMMENTS)
	0-2				0-5 2.5' rec.
2		0		Fill	Brown med-fine sand w/ angular gravel NO O/S
4		0			5-10 2.5' rec. Brown fine sand w/ gravel NO O/S
6					
		0			
8					10-15 4' rec SAA
10		0			
				SP	15-20 3.5' rec SAA
12		0			
					20-25 3' rec. water @ 20'
14					
		0			20-21 Light brown/purple clay NO O/S
16					21-24 Brown med.-fine sand w/ fine gravel NO O/S
		0			
18					24-25 Light brown sandy clay NO O/S
	18-20	0			
20				CL	
		0			
22				SP	
		0			
24				SC	
26					
28					
30					

CANISTER FIELD SAMPLING RECORD

Project: Queens Boulevard

Site Location: 64-02 & 64-06 Queens Boulevard, Woodside

Sample ID: SV-1

Sampler: GH/CL

Location: NW corner of site

Height: —

Canister ID: 106

Canister Volume: 1L

Flow Controller ID: 441

Flow Controller Setting: 1L/24hr

Sample Type (sub-slab, soil gas, amb, indoor)

Reading	Date	Time	Vacuum
Initial Canister Vacuum	2/3/16	12:24	-29
Final Canister Vacuum	2/4/16	8:40	-4

Weather or Ambient Conditions: 2/3/16 55°f, Overcast 2/4/16 50°f Overcast

Purge Data: 3-5 volumes

Helium Check Data: Passed

Comments:

CANISTER FIELD SAMPLING RECORD

Project: **Queens Boulevard**

Site Location: **64-02 & 64-06 Queens Boulevard, Woodside**

Sample ID: SV-2

Sampler: GH/CL

Location: SW corner of site

Height: –

Canister ID: 94

Canister Volume: 1L

Flow Controller ID: 385

Flow Controller Setting: 1L/24hr

Sample Type (sub-slab, soil gas, amb, indoor): soil gas

Reading	Date	Time	Vacuum
Initial Canister Vacuum	2/3/16	12:27	-28
Final Canister Vacuum	2/4/16	11:40	-3

Weather or Ambient Conditions: 2/3/16 55°f Overcast 2/4/16 50°f Overcast

Purge Data: 3-5 volumes

Helium Check Data: Passed

Comments:

CANISTER FIELD SAMPLING RECORD

Project: **Queens Boulevard**

Site Location: **64-02 & 64-06 Queens Boulevard, Woodside**

Sample ID: SV-3

Canister ID: 128

Sampler: GH/CL

Canister Volume: 1L

Location: NE corner of site

Flow Controller ID: 437

Height: –

Flow Controller Setting: 1L/24hr

Sample Type (sub-slab, soil gas, amb, indoor): soil gas

Reading	Date	Time	Vacuum
Initial Canister Vacuum	2/3/16	12:29	-30
Final Canister Vacuum	2/4/16	11:35	-4

Weather or Ambient Conditions: 2/3/16 55°f Overcast 2/4/16 50°f Overcast

Purge Data: 3-5 volumes

Helium Check Data: Passed

Comments:

CANISTER FIELD SAMPLING RECORD

Project: **Queens Boulevard**

Site Location: **64-02 & 64-06 Queens Boulevard, Woodside**

Sample ID	SV-4	Canister ID	239
Sampler	GH/CL	Canister Volume	1L
Location	SE corner of site.	Flow Controller ID	454
Height	—	Flow Controller Setting	1L/24hr

Sample Type (sub-slab, soil gas, amb, indoor) _____

Reading	Date	Time	Vacuum
Initial Canister Vacuum	2/3/16	12:32	-30
Final Canister Vacuum	2/4/16	10:59	-3

Weather or Ambient Conditions: 2/3/16 55°f Overcast 2/4/16 50°f Overcast

Purge Data: 3-5 volumes

Helium Check Data: Passed

Comments: _____

CANISTER FIELD SAMPLING RECORD

Project: Queens Boulevard

Site Location: 64-02 & 64-06 Queens Boulevard, Woodside

Sample ID: SV-5

Sampler: GH/CL

Location: center of site

Height: -

Canister ID: 318

Canister Volume: 1L

Flow Controller ID: 432

Flow Controller Setting: 1L/24hr

Sample Type (sub-slab, soil gas, amb, indoor): soil gas

Reading	Date	Time	Vacuum
Initial Canister Vacuum	2/3/16	12:34	-30
Final Canister Vacuum	2/4/16	11:36	-4

Weather or Ambient Conditions: 2/3/16 55°f Overcast 2/4/16 50°f Overcast

Purge Data: 3-5 volumes

Helium Check Data: Passed

Comments:

Figure 2. **Ground Water Sampling Log**

Project 64-02+64-06 **Site** Queens Blvd. Woodside **Well No.** MW-1 **Date** 2/11/16

Well Depth 30' **Screen Length** 10' **Well Diameter** 1" **Casing Type** PVC

Sampling Device Peristaltic Pump **Tubing type** Polyethylene **Water Level** 26.64

Measuring Point Top of casing **Other Infor** DUPLICATE (MW-4)

Sampling Personnel GH/CL

Time	pH	Temp	Cond.	Dis.O_2	Turb.	[ ]Conc			Notes
9:30	6.52	15.46	0.496		>1000				
9:35	6.70	15.72	0.502		88.9				
9:40	6.88	15.90	0.506		61.4				
9:45	6.92	16.00	0.509		53.5				
9:50	6.94	16.01	0.511		49.0				
9:55	6.94	16.01	0.511		45.4				

Type of Samples Collected

Information: 2 in = 617 ml/ft, 4 in = 2470 ml/ft: $Vol_{cyl} = \pi r^2 h$, $Vol_{sphere} = 4/3\pi r^3$

Figure 2. **Ground Water Sampling Log**

Project 64-02 + 64-06 **Site** Queens Blvd., Woodside **Well No.** MW-2 **Date** 2/11/16

Well Depth 30' **Screen Length** 10' **Well Diameter** 1" **Casing Type** PVC

Sampling Device Peristaltic Pump **Tubing type** Polyethylene **Water Level** 28.05

Measuring Point Top of Casing **Other Infor**

Sampling Personnel GH/CL

Time	pH	Temp (°C)	Cond. (mS)	Dis.O_2	Turb.	[ ]Conc			Notes
10:50	6.48	15.09	0.521		71000				
10:55	6.73	15.84	0.486		196				
11:00	6.96	16.00	0.456		70.1				
11:05	6.98	16.07	0.449		58.7				
11:13	7.00	16.10	0.445		51.3				
11:18	7.01	16.11	0.445		48.9				
11:23	7.01	16.11	0.445		46.4				

Type of Samples Collected

Information: 2 in = 617 ml/ft, 4 in = 2470 ml/ft: $Vol_{cyl} = \pi r^2 h$, $Vol_{sphere} = 4/3\pi r^3$

Figure 2. **Ground Water Sampling Log**

Project 64-02+61-06 **Site** Queens Blvd, Woodside **Well No.** MW-3 **Date** 2/11/16

Well Depth 30' **Screen Length** 10' **Well Diameter** 1" **Casing Type** PVC

Sampling Device Peristaltic Pump **Tubing type** Polyethylene **Water Level** 28.21

Measuring Point Top of Casing **Other Infor** well pumped dry

Sampling Personnel GH/CL

Time	pH	Temp	Cond.	Dis.O_2	Turb.	[ ]Conc			Notes

Type of Samples Collected

Information: 2 in = 617 ml/ft, 4 in = 2470 ml/ft: $Vol_{cyl} = \pi r^2 h$, $Vol_{sphere} = 4/3\pi r^3$

APPENDIX 4

LABORATORY DATA DELIVERABLES FOR SOIL AND GROUNDWATER ANALYTICAL DATA

ANALYTICAL REPORT

Job Number: 460-108494-1

Job Description: Queens Boulevard, Woodside

For:
FPM Group Limited
909 Marconi Avenue
Ronkonkoma, NY 11779

Attention: George Holmes

Approved for release.
Allison L Bennett
Project Management Assistant II
2/22/2016 12:55 PM

Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
02/22/2016

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

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CASE NARRATIVE

Client: FPM Group Limited

Project: Queens Boulevard, Woodside

Report Number: 460-108494-1

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 2/4/2016 5:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4º 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.

VOLATILE ORGANIC COMPOUNDS
Samples SB-5 (0-2) (460-108494-1), SB-5 (16-18) (460-108494-2), SB-6 (0-2) (460-108494-3), SB-6 (18-20) (460-108494-4), SB-3 (0-2) (460-108494-5) and SB-3 (9-11) (460-108494-6) were analyzed for volatile organic compounds in accordance with EPA SW-846 Method 8260C. The samples were prepared on 02/04/2016 and analyzed on 02/12/2016 and 02/13/2016.

The continuing calibration verification (CCV) analyzed in batch 460-349940 was outside the method criteria for the following analyte: Bromoform. 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 is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-350091 was outside the method criteria for the following analyte(s): Bromoform (biased low), Vinyl chloride and Trichlorofluoromethane (biased high). 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.

The laboratory control sample duplicate (LCSD) for analytical batch 460-350091 recovered outside control limits for the following analyte: 1,4-Dioxane. This analyte was not detected in the associated samples; therefore, the data have been reported.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS
Sample TB0203 (460-108494-7) was analyzed for volatile organic compounds in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 02/10/2016.

The continuing calibration verification (CCV) analyzed in batch 460-349486 was outside the method criteria for the following analyte(s): Vinyl chloride, Dichlorodifluoromethane and Chloromethane (biased low) and 1,1,2-Trichloro-1,2,2-trifluoroethane (biased high). 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.

1,4-Dioxane failed the recovery criteria low for the MS of sample 460-108498-34 in batch 460-349486.

1,2-Dibromo-3-Chloropropane failed the recovery criteria high for the MSD of sample 460-108498-34 in batch 460-349486. 1,2,3-Trichlorobenzene and 1,4-Dioxane exceeded the RPD limit.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS

Samples SB-5 (0-2) (460-108494-1), SB-5 (16-18) (460-108494-2), SB-6 (0-2) (460-108494-3), SB-6 (18-20) (460-108494-4), SB-3 (0-2) (460-108494-5) and SB-3 (9-11) (460-108494-6) were analyzed for semivolatile organic compounds in accordance with EPA SW-846 Method 8270D. The samples were prepared on 02/09/2016 and analyzed on 02/15/2016, 02/17/2016 and 02/19/2016.

The continuing calibration verification (CCV) analyzed in batch 460-350458 was outside the method criteria for the following analyte(s): Hexachlorocyclopentadiene. 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.

The continuing calibration verification (CCV) analyzed in batch 460-350772 was outside the method criteria for the following analyte(s): Indeno[1,2,3-cd]pyrene, N-Nitrosodi-n-propylamine, Benzo[g,h,i]perylene and Dibenz(a,h)anthracene. 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.

The continuing calibration verification (CCV) analyzed in batch 460-351154 was outside the method criteria for the following analyte(s): 2,4-Dinitrophenol, 2,4,6-Tribromophenol, Pyrene and 4-Nitroaniline. 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.

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 460-349436 had one analyte (Chrysene) outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

The laboratory control sample (LCS) for batch preparation batch 460-349436 and analytical batch 460-350384 recovered outside control limits for the following analyte: Atrazine. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Surrogate recovery for the following samples was outside the upper control limit: (LCS 460-349436/2-A) and (LCS 460-349436/3-A).

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: SB-6 (18-20) (460-108494-4). These results have been reported and qualified.

Several analytes failed the recovery criteria low for the MS of sample SB-3 (9-11)MS (460-108494-6) in batch 460-350384.

2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol and Pentachlorophenol failed the recovery criteria low for the MSD of sample SB-3 (9-11)MSD (460-108494-6) in batch 460-350384.

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 SB-5 (0-2) (460-108494-1), SB-5 (16-18) (460-108494-2), SB-6 (0-2) (460-108494-3), SB-6 (18-20) (460-108494-4), SB-3 (0-2) (460-108494-5) and SB-3 (9-11) (460-108494-6) were analyzed for pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared and analyzed on 02/09/2016.

Tetrachloro-m-xylene failed the surrogate recovery criteria high for SB-5 (0-2)MS (460-108494-1MS).

4,4'-DDT failed the recovery criteria high for the MSD of sample SB-5 (0-2)MSD (460-108494-1) in batch 460-349398.

Refer to the QC report for details.

No other difficulties were encountered during the pesticides analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS
Samples SB-5 (0-2) (460-108494-1), SB-5 (16-18) (460-108494-2), SB-6 (0-2) (460-108494-3), SB-6 (18-20) (460-108494-4), SB-3 (0-2) (460-108494-5) and SB-3 (9-11) (460-108494-6) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 02/09/2016 and analyzed on 02/10/2016.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

METALS
Samples SB-5 (0-2) (460-108494-1), SB-5 (16-18) (460-108494-2), SB-6 (0-2) (460-108494-3), SB-6 (18-20) (460-108494-4), SB-3 (0-2) (460-108494-5) and SB-3 (9-11) (460-108494-6) were analyzed for metals in accordance with EPA SW-846 Methods 6010C. The samples were prepared on 02/08/2016 and analyzed on 02/10/2016.

Antimony, Barium, Copper and Lead failed the recovery criteria low for the MS of sample 460-108486-17 in batch 460-349631. Several analytes failed the recovery criteria high.

Antimony and Manganese failed the recovery criteria low for the MS of sample SB-5 (16-18)MS (460-108494-2) in batch 460-349631. Aluminum, Calcium and Iron failed the recovery criteria high.

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.

Samples SB-5 (0-2) (460-108494-1)[4X], SB-5 (16-18) (460-108494-2)[4X], SB-6 (0-2) (460-108494-3)[4X], SB-6 (18-20) (460-108494-4) [4X], SB-3 (0-2) (460-108494-5)[4X] and SB-3 (9-11) (460-108494-6)[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.

MERCURY
Samples SB-5 (0-2) (460-108494-1), SB-5 (16-18) (460-108494-2), SB-6 (0-2) (460-108494-3), SB-6 (18-20) (460-108494-4), SB-3 (0-2) (460-108494-5) and SB-3 (9-11) (460-108494-6) were analyzed for mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 02/09/2016.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE
Samples SB-5 (0-2) (460-108494-1), SB-5 (16-18) (460-108494-2), SB-6 (0-2) (460-108494-3), SB-6 (18-20) (460-108494-4), SB-3 (0-2) (460-108494-5) and SB-3 (9-11) (460-108494-6) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 02/09/2016.

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: 460-108494-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-108494-1	**SB-5 (0-2)**					
Acetone		12		4.3	ug/Kg	8260C
Methylene Chloride		0.36	J	0.87	ug/Kg	8260C
m-Xylene & p-Xylene		0.27	J	0.87	ug/Kg	8260C
Fluoranthene		18	J	340	ug/Kg	8270D
Phenanthrene		22	J	340	ug/Kg	8270D
Pyrene		20	J	340	ug/Kg	8270D
Aluminum		5560		32.2	mg/Kg	6010C
Arsenic		1.0	J	2.4	mg/Kg	6010C
Barium		54.8		32.2	mg/Kg	6010C
Beryllium		0.30	J	0.32	mg/Kg	6010C
Calcium		1460		805	mg/Kg	6010C
Chromium		10.7		1.6	mg/Kg	6010C
Cobalt		4.2	J	8.0	mg/Kg	6010C
Copper		15.1		4.0	mg/Kg	6010C
Iron		10500		24.1	mg/Kg	6010C
Lead		2.9		1.6	mg/Kg	6010C
Magnesium		2020		805	mg/Kg	6010C
Manganese		236		2.4	mg/Kg	6010C
Nickel		10.1		6.4	mg/Kg	6010C
Potassium		903		805	mg/Kg	6010C
Sodium		133	J	805	mg/Kg	6010C
Vanadium		17.0		8.0	mg/Kg	6010C
Zinc		19.0		4.8	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: 460-108494-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-108494-2	**SB-5 (16-18)**					
Acetone		16		4.8	ug/Kg	8260C
Aluminum		3710		32.5	mg/Kg	6010C
Barium		28.1	J	32.5	mg/Kg	6010C
Beryllium		0.28	J	0.33	mg/Kg	6010C
Calcium		1040		813	mg/Kg	6010C
Chromium		10.3		1.6	mg/Kg	6010C
Cobalt		4.2	J	8.1	mg/Kg	6010C
Copper		8.0		4.1	mg/Kg	6010C
Iron		7870		24.4	mg/Kg	6010C
Lead		1.9		1.6	mg/Kg	6010C
Magnesium		2000		813	mg/Kg	6010C
Manganese		326		2.4	mg/Kg	6010C
Nickel		12.7		6.5	mg/Kg	6010C
Potassium		438	J	813	mg/Kg	6010C
Sodium		89.5	J	813	mg/Kg	6010C
Vanadium		11.3		8.1	mg/Kg	6010C
Zinc		13.4		4.9	mg/Kg	6010C
Percent Moisture		3.1		1.0	%	Moisture
Percent Solids		96.9		1.0	%	Moisture
460-108494-3	**SB-6 (0-2)**					
Aluminum		5740		32.5	mg/Kg	6010C
Barium		20.0	J	32.5	mg/Kg	6010C
Beryllium		0.28	J	0.33	mg/Kg	6010C
Calcium		709	J	813	mg/Kg	6010C
Chromium		12.9		1.6	mg/Kg	6010C
Cobalt		3.6	J	8.1	mg/Kg	6010C
Copper		13.5		4.1	mg/Kg	6010C
Iron		8640		24.4	mg/Kg	6010C
Lead		2.3		1.6	mg/Kg	6010C
Magnesium		2170		813	mg/Kg	6010C
Manganese		296		2.4	mg/Kg	6010C
Nickel		11.0		6.5	mg/Kg	6010C
Potassium		360	J	813	mg/Kg	6010C
Sodium		103	J	813	mg/Kg	6010C
Vanadium		15.0		8.1	mg/Kg	6010C
Zinc		16.4		4.9	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: 460-108494-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-108494-4	**SB-6 (18-20)**					
m-Xylene & p-Xylene		0.34	J	1.0	ug/Kg	8260C
Styrene		2.5		1.0	ug/Kg	8260C
Aluminum		2180		33.5	mg/Kg	6010C
Barium		20.1	J	33.5	mg/Kg	6010C
Calcium		766	J	837	mg/Kg	6010C
Chromium		5.4		1.7	mg/Kg	6010C
Cobalt		2.0	J	8.4	mg/Kg	6010C
Copper		4.5		4.2	mg/Kg	6010C
Iron		4300		25.1	mg/Kg	6010C
Lead		1.0	J	1.7	mg/Kg	6010C
Magnesium		1040		837	mg/Kg	6010C
Manganese		161		2.5	mg/Kg	6010C
Nickel		5.6	J	6.7	mg/Kg	6010C
Potassium		378	J	837	mg/Kg	6010C
Sodium		63.2	J	837	mg/Kg	6010C
Vanadium		5.6	J	8.4	mg/Kg	6010C
Zinc		8.4		5.0	mg/Kg	6010C
Percent Moisture		4.4		1.0	%	Moisture
Percent Solids		95.6		1.0	%	Moisture
460-108494-5	**SB-3 (0-2)**					
Acetone		71		7.2	ug/Kg	8260C
Isophorone		120	J	140	ug/Kg	8270D
Aluminum		3830		32.9	mg/Kg	6010C
Arsenic		0.97	J	2.5	mg/Kg	6010C
Barium		13.8	J	32.9	mg/Kg	6010C
Calcium		447	J	823	mg/Kg	6010C
Chromium		7.1		1.6	mg/Kg	6010C
Cobalt		2.7	J	8.2	mg/Kg	6010C
Copper		10.1		4.1	mg/Kg	6010C
Iron		6190		24.7	mg/Kg	6010C
Lead		2.4		1.6	mg/Kg	6010C
Magnesium		1310		823	mg/Kg	6010C
Manganese		182		2.5	mg/Kg	6010C
Nickel		6.6		6.6	mg/Kg	6010C
Potassium		275	J	823	mg/Kg	6010C
Vanadium		8.4		8.2	mg/Kg	6010C
Zinc		11.1		4.9	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: 460-108494-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-108494-6	**SB-3 (9-11)**					
m-Xylene & p-Xylene		0.29	J	0.87	ug/Kg	8260C
Styrene		0.26	J	0.87	ug/Kg	8260C
Aluminum		4490		34.5	mg/Kg	6010C
Arsenic		1.4	J	2.6	mg/Kg	6010C
Barium		27.6	J	34.5	mg/Kg	6010C
Beryllium		0.37		0.35	mg/Kg	6010C
Calcium		613	J	863	mg/Kg	6010C
Chromium		12.0		1.7	mg/Kg	6010C
Cobalt		3.8	J	8.6	mg/Kg	6010C
Copper		8.4		4.3	mg/Kg	6010C
Iron		12100		25.9	mg/Kg	6010C
Lead		2.7		1.7	mg/Kg	6010C
Magnesium		1190		863	mg/Kg	6010C
Manganese		212		2.6	mg/Kg	6010C
Nickel		6.8	J	6.9	mg/Kg	6010C
Potassium		538	J	863	mg/Kg	6010C
Sodium		69.8	J	863	mg/Kg	6010C
Vanadium		17.4		8.6	mg/Kg	6010C
Zinc		17.8		5.2	mg/Kg	6010C
Percent Moisture		9.4		1.0	%	Moisture
Percent Solids		90.6		1.0	%	Moisture

METHOD SUMMARY

Client: FPM Group Limited | Job Number: 460-108494-1

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	
Microwave Extraction	TAL EDI		SW846 3546
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 (CVAA)	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: 460-108494-1

Method	Analyst	Analyst ID
SW846 8260C	Desai, Saurab	SZD
SW846 8260C	Tupayachi, Audberto	AAT
SW846 8270D	Crocco, Michael	MMC
SW846 8270D	Szczech, Anna	AAS
SW846 8081B	Patel, Jignesh	JHP
SW846 8082A	Boykin, Carol B	CBB
SW846 6010C	Huang, Yixin	YZH
SW846 7471B	Sheikh, Razia B	RBS
EPA Moisture	Armbruster, Chris	CJA

SAMPLE SUMMARY

Client: FPM Group Limited

Job Number: 460-108494-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-108494-1	SB-5 (0-2)	Solid	02/03/2016 1030	02/04/2016 1700
460-108494-2	SB-5 (16-18)	Solid	02/03/2016 1100	02/04/2016 1700
460-108494-3	SB-6 (0-2)	Solid	02/03/2016 1130	02/04/2016 1700
460-108494-4	SB-6 (18-20)	Solid	02/03/2016 1200	02/04/2016 1700
460-108494-5	SB-3 (0-2)	Solid	02/03/2016 1300	02/04/2016 1700
460-108494-6	SB-3 (9-11)	Solid	02/03/2016 1330	02/04/2016 1700
460-108494-7TB	TB0203	Water	02/03/2016 0900	02/04/2016 1700

SAMPLE RESULTS

Client: FPM Group Limited | Job Number: 460-108494-1

Client Sample ID: **SB-5 (0-2)**

Lab Sample ID: 460-108494-1 | Date Sampled: 02/03/2016 1030
Client Matrix: Solid | % Moisture: 4.4 | Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350091	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-349161	Lab File ID:	K50139.D
Dilution:	1.0			Initial Weight/Volume:	6.043 g
Analysis Date:	02/13/2016 1543			Final Weight/Volume:	5 mL
Prep Date:	02/04/2016 1951				

Analyte DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.87	U	0.33	0.87
1,1,2,2-Tetrachloroethane	0.87	U	0.15	0.87
1,1,2-Trichloro-1,2,2-trifluoroethane	0.87	U	0.38	0.87
1,1,2-Trichloroethane	0.87	U	0.24	0.87
1,1-Dichloroethane	0.87	U	0.29	0.87
1,1-Dichloroethene	0.87	U	0.35	0.87
1,2,3-Trichlorobenzene	0.87	U	0.095	0.87
1,2,4-Trichlorobenzene	0.87	U	0.28	0.87
1,2-Dibromo-3-Chloropropane	0.87	U	0.41	0.87
1,2-Dichlorobenzene	0.87	U	0.12	0.87
1,2-Dichloroethane	0.87	U	0.095	0.87
1,2-Dichloropropane	0.87	U	0.15	0.87
1,3-Dichlorobenzene	0.87	U	0.10	0.87
1,4-Dichlorobenzene	0.87	U	0.11	0.87
1,4-Dioxane	17	U *	5.5	17
2-Butanone (MEK)	4.3	U	0.67	4.3
2-Hexanone	4.3	U	0.81	4.3
4-Methyl-2-pentanone (MIBK)	4.3	U	1.9	4.3
Acetone	12		0.92	4.3
Benzene	0.87	U	0.17	0.87
Bromoform	0.87	U	0.11	0.87
Bromomethane	0.87	U	0.28	0.87
Carbon disulfide	0.87	U	0.37	0.87
Carbon tetrachloride	0.87	U	0.37	0.87
Chlorobenzene	0.87	U	0.12	0.87
Chlorobromomethane	0.87	U	0.15	0.87
Chlorodibromomethane	0.87	U	0.13	0.87
Chloroethane	0.87	U	0.30	0.87
Chloroform	0.87	U	0.18	0.87
Chloromethane	0.87	U	0.33	0.87
cis-1,2-Dichloroethene	0.87	U	0.19	0.87
cis-1,3-Dichloropropene	0.87	U	0.13	0.87
Cyclohexane	0.87	U	0.40	0.87
Dichlorobromomethane	0.87	U	0.33	0.87
Dichlorodifluoromethane	0.87	U	0.28	0.87
Ethylbenzene	0.87	U	0.16	0.87
Ethylene Dibromide	0.87	U	0.10	0.87
Isopropylbenzene	0.87	U	0.15	0.87
Methyl acetate	4.3	U	0.78	4.3
Methyl tert-butyl ether	0.87	U	0.15	0.87
Methylcyclohexane	0.87	U	0.43	0.87
Methylene Chloride	0.36	J	0.28	0.87
m-Xylene & p-Xylene	0.27	J	0.095	0.87
o-Xylene	0.87	U	0.14	0.87
Styrene	0.87	U	0.13	0.87
Tetrachloroethene	0.87	U	0.24	0.87

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-5 (0-2)**

Lab Sample ID: 460-108494-1

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 02/03/2016 1030

Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350091	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-349161	Lab File ID:	K50139.D
Dilution:	1.0			Initial Weight/Volume:	6.043 g
Analysis Date:	02/13/2016 1543			Final Weight/Volume:	5 mL
Prep Date:	02/04/2016 1951				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Toluene		0.87	U	0.16	0.87
trans-1,2-Dichloroethene		0.87	U	0.34	0.87
trans-1,3-Dichloropropene		0.87	U	0.087	0.87
Trichloroethene		0.87	U	0.23	0.87
Trichlorofluoromethane		0.87	U	0.29	0.87
Vinyl chloride		0.87	U	0.34	0.87

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		78 - 135
Toluene-d8 (Surr)	102		73 - 121
4-Bromofluorobenzene	104		67 - 126
Dibromofluoromethane (Surr)	109		61 - 149

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-5 (0-2)**

Lab Sample ID: 460-108494-1

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 02/03/2016 1030

Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350091	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-349161	Lab File ID:	K50139.D
Dilution:	1.0			Initial Weight/Volume:	6.043 g
Analysis Date:	02/13/2016 1543			Final Weight/Volume:	5 mL
Prep Date:	02/04/2016 1951				

Tentatively Identified Compounds **Number TIC's Found: 1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.65	4.9	J

Client: FPM Group Limited | Job Number: 460-108494-1

Client Sample ID: **SB-5 (16-18)**

Lab Sample ID: 460-108494-2 | Date Sampled: 02/03/2016 1100
Client Matrix: Solid | % Moisture: 3.1 | Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-349161	Lab File ID:	K50089.D
Dilution:	1.0			Initial Weight/Volume:	5.399 g
Analysis Date:	02/12/2016 1725			Final Weight/Volume:	5 mL
Prep Date:	02/04/2016 1951				

Analyte DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.96	U	0.36	0.96
1,1,2,2-Tetrachloroethane	0.96	U	0.16	0.96
1,1,2-Trichloro-1,2,2-trifluoroethane	0.96	U	0.42	0.96
1,1,2-Trichloroethane	0.96	U	0.27	0.96
1,1-Dichloroethane	0.96	U	0.33	0.96
1,1-Dichloroethene	0.96	U	0.39	0.96
1,2,3-Trichlorobenzene	0.96	U	0.11	0.96
1,2,4-Trichlorobenzene	0.96	U	0.31	0.96
1,2-Dibromo-3-Chloropropane	0.96	U	0.45	0.96
1,2-Dichlorobenzene	0.96	U	0.13	0.96
1,2-Dichloroethane	0.96	U	0.11	0.96
1,2-Dichloropropane	0.96	U	0.16	0.96
1,3-Dichlorobenzene	0.96	U	0.11	0.96
1,4-Dichlorobenzene	0.96	U	0.12	0.96
1,4-Dioxane	19	U	6.1	19
2-Butanone (MEK)	4.8	U	0.74	4.8
2-Hexanone	4.8	U	0.90	4.8
4-Methyl-2-pentanone (MIBK)	4.8	U	2.1	4.8
Acetone	16		1.0	4.8
Benzene	0.96	U	0.19	0.96
Bromoform	0.96	U	0.12	0.96
Bromomethane	0.96	U	0.31	0.96
Carbon disulfide	0.96	U	0.41	0.96
Carbon tetrachloride	0.96	U	0.41	0.96
Chlorobenzene	0.96	U	0.13	0.96
Chlorobromomethane	0.96	U	0.16	0.96
Chlorodibromomethane	0.96	U	0.14	0.96
Chloroethane	0.96	U	0.33	0.96
Chloroform	0.96	U	0.20	0.96
Chloromethane	0.96	U	0.36	0.96
cis-1,2-Dichloroethene	0.96	U	0.21	0.96
cis-1,3-Dichloropropene	0.96	U	0.14	0.96
Cyclohexane	0.96	U	0.44	0.96
Dichlorobromomethane	0.96	U	0.36	0.96
Dichlorodifluoromethane	0.96	U	0.31	0.96
Ethylbenzene	0.96	U	0.17	0.96
Ethylene Dibromide	0.96	U	0.11	0.96
Isopropylbenzene	0.96	U	0.16	0.96
Methyl acetate	4.8	U	0.86	4.8
Methyl tert-butyl ether	0.96	U	0.16	0.96
Methylcyclohexane	0.96	U	0.48	0.96
Methylene Chloride	0.96	U	0.31	0.96
m-Xylene & p-Xylene	0.96	U	0.11	0.96
o-Xylene	0.96	U	0.15	0.96
Styrene	0.96	U	0.14	0.96
Tetrachloroethene	0.96	U	0.27	0.96

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-5 (16-18)**

Lab Sample ID: 460-108494-2
Client Matrix: Solid
% Moisture: 3.1

Date Sampled: 02/03/2016 1100
Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-349161	Lab File ID:	K50089.D
Dilution:	1.0			Initial Weight/Volume:	5.399 g
Analysis Date:	02/12/2016 1725			Final Weight/Volume:	5 mL
Prep Date:	02/04/2016 1951				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Toluene		0.96	U	0.18	0.96
trans-1,2-Dichloroethene		0.96	U	0.37	0.96
trans-1,3-Dichloropropene		0.96	U	0.096	0.96
Trichloroethene		0.96	U	0.25	0.96
Trichlorofluoromethane		0.96	U	0.33	0.96
Vinyl chloride		0.96	U	0.37	0.96

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		78 - 135
Toluene-d8 (Surr)	98		73 - 121
4-Bromofluorobenzene	105		67 - 126
Dibromofluoromethane (Surr)	108		61 - 149

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-5 (16-18)**

Lab Sample ID: 460-108494-2

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 02/03/2016 1100

Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-349161	Lab File ID:	K50089.D
Dilution:	1.0			Initial Weight/Volume:	5.399 g
Analysis Date:	02/12/2016 1725			Final Weight/Volume:	5 mL
Prep Date:	02/04/2016 1951				

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: 460-108494-1

Client Sample ID: **SB-6 (0-2)**

Lab Sample ID: 460-108494-3

Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 02/03/2016 1130

Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-349161	Lab File ID:	K50090.D
Dilution:	1.0			Initial Weight/Volume:	4.721 g
Analysis Date:	02/12/2016 1751			Final Weight/Volume:	5 mL
Prep Date:	02/04/2016 1952				

Analyte DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.1	U	0.42	1.1
1,1,2,2-Tetrachloroethane	1.1	U	0.19	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U	0.48	1.1
1,1,2-Trichloroethane	1.1	U	0.31	1.1
1,1-Dichloroethane	1.1	U	0.37	1.1
1,1-Dichloroethene	1.1	U	0.45	1.1
1,2,3-Trichlorobenzene	1.1	U	0.12	1.1
1,2,4-Trichlorobenzene	1.1	U	0.35	1.1
1,2-Dibromo-3-Chloropropane	1.1	U	0.51	1.1
1,2-Dichlorobenzene	1.1	U	0.15	1.1
1,2-Dichloroethane	1.1	U	0.12	1.1
1,2-Dichloropropane	1.1	U	0.19	1.1
1,3-Dichlorobenzene	1.1	U	0.13	1.1
1,4-Dichlorobenzene	1.1	U	0.14	1.1
1,4-Dioxane	22	U	7.0	22
2-Butanone (MEK)	5.5	U	0.84	5.5
2-Hexanone	5.5	U	1.0	5.5
4-Methyl-2-pentanone (MIBK)	5.5	U	2.4	5.5
Acetone	5.5	U	1.2	5.5
Benzene	1.1	U	0.22	1.1
Bromoform	1.1	U	0.14	1.1
Bromomethane	1.1	U	0.35	1.1
Carbon disulfide	1.1	U	0.47	1.1
Carbon tetrachloride	1.1	U	0.47	1.1
Chlorobenzene	1.1	U	0.15	1.1
Chlorobromomethane	1.1	U	0.19	1.1
Chlorodibromomethane	1.1	U	0.16	1.1
Chloroethane	1.1	U	0.38	1.1
Chloroform	1.1	U	0.23	1.1
Chloromethane	1.1	U	0.42	1.1
cis-1,2-Dichloroethene	1.1	U	0.24	1.1
cis-1,3-Dichloropropene	1.1	U	0.16	1.1
Cyclohexane	1.1	U	0.50	1.1
Dichlorobromomethane	1.1	U	0.42	1.1
Dichlorodifluoromethane	1.1	U	0.35	1.1
Ethylbenzene	1.1	U	0.20	1.1
Ethylene Dibromide	1.1	U	0.13	1.1
Isopropylbenzene	1.1	U	0.19	1.1
Methyl acetate	5.5	U	0.98	5.5
Methyl tert-butyl ether	1.1	U	0.19	1.1
Methylcyclohexane	1.1	U	0.55	1.1
Methylene Chloride	1.1	U	0.35	1.1
m-Xylene & p-Xylene	1.1	U	0.12	1.1
o-Xylene	1.1	U	0.18	1.1
Styrene	1.1	U	0.16	1.1
Tetrachloroethene	1.1	U	0.31	1.1

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-6 (0-2)**

Lab Sample ID: 460-108494-3

Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 02/03/2016 1130

Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-349161	Lab File ID:	K50090.D
Dilution:	1.0			Initial Weight/Volume:	4.721 g
Analysis Date:	02/12/2016 1751			Final Weight/Volume:	5 mL
Prep Date:	02/04/2016 1952				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Toluene		1.1	U	0.21	1.1
trans-1,2-Dichloroethene		1.1	U	0.43	1.1
trans-1,3-Dichloropropene		1.1	U	0.11	1.1
Trichloroethene		1.1	U	0.28	1.1
Trichlorofluoromethane		1.1	U	0.37	1.1
Vinyl chloride		1.1	U	0.43	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		78 - 135
Toluene-d8 (Surr)	99		73 - 121
4-Bromofluorobenzene	105		67 - 126
Dibromofluoromethane (Surr)	109		61 - 149

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-6 (0-2)**

Lab Sample ID: 460-108494-3

Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 02/03/2016 1130

Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-349161	Lab File ID:	K50090.D
Dilution:	1.0			Initial Weight/Volume:	4.721 g
Analysis Date:	02/12/2016 1751			Final Weight/Volume:	5 mL
Prep Date:	02/04/2016 1952				

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: 460-108494-1

Client Sample ID: **SB-6 (18-20)**

Lab Sample ID: 460-108494-4

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 02/03/2016 1200

Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-349161	Lab File ID:	K50091.D
Dilution:	1.0			Initial Weight/Volume:	5.205 g
Analysis Date:	02/12/2016 1818			Final Weight/Volume:	5 mL
Prep Date:	02/04/2016 1952				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		1.0	U	0.38	1.0
1,1,2,2-Tetrachloroethane		1.0	U	0.17	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane		1.0	U	0.44	1.0
1,1,2-Trichloroethane		1.0	U	0.28	1.0
1,1-Dichloroethane		1.0	U	0.34	1.0
1,1-Dichloroethene		1.0	U	0.41	1.0
1,2,3-Trichlorobenzene		1.0	U	0.11	1.0
1,2,4-Trichlorobenzene		1.0	U	0.32	1.0
1,2-Dibromo-3-Chloropropane		1.0	U	0.47	1.0
1,2-Dichlorobenzene		1.0	U	0.14	1.0
1,2-Dichloroethane		1.0	U	0.11	1.0
1,2-Dichloropropane		1.0	U	0.17	1.0
1,3-Dichlorobenzene		1.0	U	0.12	1.0
1,4-Dichlorobenzene		1.0	U	0.13	1.0
1,4-Dioxane		20	U	6.4	20
2-Butanone (MEK)		5.0	U	0.77	5.0
2-Hexanone		5.0	U	0.94	5.0
4-Methyl-2-pentanone (MIBK)		5.0	U	2.2	5.0
Acetone		5.0	U	1.1	5.0
Benzene		1.0	U	0.20	1.0
Bromoform		1.0	U	0.13	1.0
Bromomethane		1.0	U	0.32	1.0
Carbon disulfide		1.0	U	0.43	1.0
Carbon tetrachloride		1.0	U	0.43	1.0
Chlorobenzene		1.0	U	0.14	1.0
Chlorobromomethane		1.0	U	0.17	1.0
Chlorodibromomethane		1.0	U	0.15	1.0
Chloroethane		1.0	U	0.35	1.0
Chloroform		1.0	U	0.21	1.0
Chloromethane		1.0	U	0.38	1.0
cis-1,2-Dichloroethene		1.0	U	0.22	1.0
cis-1,3-Dichloropropene		1.0	U	0.15	1.0
Cyclohexane		1.0	U	0.46	1.0
Dichlorobromomethane		1.0	U	0.38	1.0
Dichlorodifluoromethane		1.0	U	0.32	1.0
Ethylbenzene		1.0	U	0.18	1.0
Ethylene Dibromide		1.0	U	0.12	1.0
Isopropylbenzene		1.0	U	0.17	1.0
Methyl acetate		5.0	U	0.90	5.0
Methyl tert-butyl ether		1.0	U	0.17	1.0
Methylcyclohexane		1.0	U	0.50	1.0
Methylene Chloride		1.0	U	0.32	1.0
m-Xylene & p-Xylene		0.34	J	0.11	1.0
o-Xylene		1.0	U	0.16	1.0
Styrene		2.5		0.15	1.0
Tetrachloroethene		1.0	U	0.28	1.0

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-6 (18-20)**

Lab Sample ID: 460-108494-4

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 02/03/2016 1200

Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-349161	Lab File ID:	K50091.D
Dilution:	1.0			Initial Weight/Volume:	5.205 g
Analysis Date:	02/12/2016 1818			Final Weight/Volume:	5 mL
Prep Date:	02/04/2016 1952				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Toluene		1.0	U	0.19	1.0
trans-1,2-Dichloroethene		1.0	U	0.39	1.0
trans-1,3-Dichloropropene		1.0	U	0.10	1.0
Trichloroethene		1.0	U	0.26	1.0
Trichlorofluoromethane		1.0	U	0.34	1.0
Vinyl chloride		1.0	U	0.39	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		78 - 135
Toluene-d8 (Surr)	101		73 - 121
4-Bromofluorobenzene	106		67 - 126
Dibromofluoromethane (Surr)	109		61 - 149

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-6 (18-20)**

Lab Sample ID: 460-108494-4

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 02/03/2016 1200

Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-349161	Lab File ID:	K50091.D
Dilution:	1.0			Initial Weight/Volume:	5.205 g
Analysis Date:	02/12/2016 1818			Final Weight/Volume:	5 mL
Prep Date:	02/04/2016 1952				

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: 460-108494-1

Client Sample ID: **SB-3 (0-2)**

Lab Sample ID: 460-108494-5 | Date Sampled: 02/03/2016 1300
Client Matrix: Solid | % Moisture: 5.0 | Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-349161	Lab File ID:	K50092.D
Dilution:	1.0			Initial Weight/Volume:	3.674 g
Analysis Date:	02/12/2016 1844			Final Weight/Volume:	5 mL
Prep Date:	02/04/2016 1953				

Analyte DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.4	U	0.54	1.4
1,1,2,2-Tetrachloroethane	1.4	U	0.24	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U	0.63	1.4
1,1,2-Trichloroethane	1.4	U	0.40	1.4
1,1-Dichloroethane	1.4	U	0.49	1.4
1,1-Dichloroethene	1.4	U	0.59	1.4
1,2,3-Trichlorobenzene	1.4	U	0.16	1.4
1,2,4-Trichlorobenzene	1.4	U	0.46	1.4
1,2-Dibromo-3-Chloropropane	1.4	U	0.67	1.4
1,2-Dichlorobenzene	1.4	U	0.20	1.4
1,2-Dichloroethane	1.4	U	0.16	1.4
1,2-Dichloropropane	1.4	U	0.24	1.4
1,3-Dichlorobenzene	1.4	U	0.17	1.4
1,4-Dichlorobenzene	1.4	U	0.19	1.4
1,4-Dioxane	29	U	9.2	29
2-Butanone (MEK)	7.2	U	1.1	7.2
2-Hexanone	7.2	U	1.3	7.2
4-Methyl-2-pentanone (MIBK)	7.2	U	3.2	7.2
Acetone	71		1.5	7.2
Benzene	1.4	U	0.29	1.4
Bromoform	1.4	U	0.19	1.4
Bromomethane	1.4	U	0.46	1.4
Carbon disulfide	1.4	U	0.62	1.4
Carbon tetrachloride	1.4	U	0.62	1.4
Chlorobenzene	1.4	U	0.20	1.4
Chlorobromomethane	1.4	U	0.24	1.4
Chlorodibromomethane	1.4	U	0.21	1.4
Chloroethane	1.4	U	0.50	1.4
Chloroform	1.4	U	0.30	1.4
Chloromethane	1.4	U	0.54	1.4
cis-1,2-Dichloroethene	1.4	U	0.32	1.4
cis-1,3-Dichloropropene	1.4	U	0.21	1.4
Cyclohexane	1.4	U	0.66	1.4
Dichlorobromomethane	1.4	U	0.54	1.4
Dichlorodifluoromethane	1.4	U	0.46	1.4
Ethylbenzene	1.4	U	0.26	1.4
Ethylene Dibromide	1.4	U	0.17	1.4
Isopropylbenzene	1.4	U	0.24	1.4
Methyl acetate	7.2	U	1.3	7.2
Methyl tert-butyl ether	1.4	U	0.24	1.4
Methylcyclohexane	1.4	U	0.72	1.4
Methylene Chloride	1.4	U	0.46	1.4
m-Xylene & p-Xylene	1.4	U	0.16	1.4
o-Xylene	1.4	U	0.23	1.4
Styrene	1.4	U	0.21	1.4
Tetrachloroethene	1.4	U	0.40	1.4

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-3 (0-2)**

Lab Sample ID: 460-108494-5

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 02/03/2016 1300

Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-349161	Lab File ID:	K50092.D
Dilution:	1.0			Initial Weight/Volume:	3.674 g
Analysis Date:	02/12/2016 1844			Final Weight/Volume:	5 mL
Prep Date:	02/04/2016 1953				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Toluene		1.4	U	0.27	1.4
trans-1,2-Dichloroethene		1.4	U	0.56	1.4
trans-1,3-Dichloropropene		1.4	U	0.14	1.4
Trichloroethene		1.4	U	0.37	1.4
Trichlorofluoromethane		1.4	U	0.49	1.4
Vinyl chloride		1.4	U	0.56	1.4

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		78 - 135
Toluene-d8 (Surr)	98		73 - 121
4-Bromofluorobenzene	104		67 - 126
Dibromofluoromethane (Surr)	107		61 - 149

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-3 (0-2)**

Lab Sample ID: 460-108494-5

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 02/03/2016 1300

Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-349161	Lab File ID:	K50092.D
Dilution:	1.0			Initial Weight/Volume:	3.674 g
Analysis Date:	02/12/2016 1844			Final Weight/Volume:	5 mL
Prep Date:	02/04/2016 1953				

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: 460-108494-1

Client Sample ID: **SB-3 (9-11)**

Lab Sample ID: 460-108494-6 | Date Sampled: 02/03/2016 1330
Client Matrix: Solid | % Moisture: 9.4 | Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-349161	Lab File ID:	K50093.D
Dilution:	1.0			Initial Weight/Volume:	6.379 g
Analysis Date:	02/12/2016 1910			Final Weight/Volume:	5 mL
Prep Date:	02/04/2016 1953				

Analyte DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.87	U	0.33	0.87
1,1,2,2-Tetrachloroethane	0.87	U	0.15	0.87
1,1,2-Trichloro-1,2,2-trifluoroethane	0.87	U	0.38	0.87
1,1,2-Trichloroethane	0.87	U	0.24	0.87
1,1-Dichloroethane	0.87	U	0.29	0.87
1,1-Dichloroethene	0.87	U	0.35	0.87
1,2,3-Trichlorobenzene	0.87	U	0.095	0.87
1,2,4-Trichlorobenzene	0.87	U	0.28	0.87
1,2-Dibromo-3-Chloropropane	0.87	U	0.41	0.87
1,2-Dichlorobenzene	0.87	U	0.12	0.87
1,2-Dichloroethane	0.87	U	0.095	0.87
1,2-Dichloropropane	0.87	U	0.15	0.87
1,3-Dichlorobenzene	0.87	U	0.10	0.87
1,4-Dichlorobenzene	0.87	U	0.11	0.87
1,4-Dioxane	17	U	5.5	17
2-Butanone (MEK)	4.3	U	0.67	4.3
2-Hexanone	4.3	U	0.81	4.3
4-Methyl-2-pentanone (MIBK)	4.3	U	1.9	4.3
Acetone	4.3	U	0.92	4.3
Benzene	0.87	U	0.17	0.87
Bromoform	0.87	U	0.11	0.87
Bromomethane	0.87	U	0.28	0.87
Carbon disulfide	0.87	U	0.37	0.87
Carbon tetrachloride	0.87	U	0.37	0.87
Chlorobenzene	0.87	U	0.12	0.87
Chlorobromomethane	0.87	U	0.15	0.87
Chlorodibromomethane	0.87	U	0.13	0.87
Chloroethane	0.87	U	0.30	0.87
Chloroform	0.87	U	0.18	0.87
Chloromethane	0.87	U	0.33	0.87
cis-1,2-Dichloroethene	0.87	U	0.19	0.87
cis-1,3-Dichloropropene	0.87	U	0.13	0.87
Cyclohexane	0.87	U	0.40	0.87
Dichlorobromomethane	0.87	U	0.33	0.87
Dichlorodifluoromethane	0.87	U	0.28	0.87
Ethylbenzene	0.87	U	0.16	0.87
Ethylene Dibromide	0.87	U	0.10	0.87
Isopropylbenzene	0.87	U	0.15	0.87
Methyl acetate	4.3	U	0.78	4.3
Methyl tert-butyl ether	0.87	U	0.15	0.87
Methylcyclohexane	0.87	U	0.43	0.87
Methylene Chloride	0.87	U	0.28	0.87
m-Xylene & p-Xylene	0.29	J	0.095	0.87
o-Xylene	0.87	U	0.14	0.87
Styrene	0.26	J	0.13	0.87
Tetrachloroethene	0.87	U	0.24	0.87

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-3 (9-11)**

Lab Sample ID: 460-108494-6
Client Matrix: Solid
% Moisture: 9.4

Date Sampled: 02/03/2016 1330
Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-349161	Lab File ID:	K50093.D
Dilution:	1.0			Initial Weight/Volume:	6.379 g
Analysis Date:	02/12/2016 1910			Final Weight/Volume:	5 mL
Prep Date:	02/04/2016 1953				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Toluene		0.87	U	0.16	0.87
trans-1,2-Dichloroethene		0.87	U	0.34	0.87
trans-1,3-Dichloropropene		0.87	U	0.087	0.87
Trichloroethene		0.87	U	0.23	0.87
Trichlorofluoromethane		0.87	U	0.29	0.87
Vinyl chloride		0.87	U	0.34	0.87

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		78 - 135
Toluene-d8 (Surr)	96		73 - 121
4-Bromofluorobenzene	104		67 - 126
Dibromofluoromethane (Surr)	108		61 - 149

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-3 (9-11)**

Lab Sample ID: 460-108494-6

Client Matrix: Solid

% Moisture: 9.4

Date Sampled: 02/03/2016 1330

Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-349161	Lab File ID:	K50093.D
Dilution:	1.0			Initial Weight/Volume:	6.379 g
Analysis Date:	02/12/2016 1910			Final Weight/Volume:	5 mL
Prep Date:	02/04/2016 1953				

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: 460-108494-1

Client Sample ID: **TB0203**

Lab Sample ID: 460-108494-7TB

Client Matrix: Water

Date Sampled: 02/03/2016 0900

Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-349486	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36270.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/10/2016 0103			Final Weight/Volume:	5 mL
Prep Date:	02/10/2016 0103				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dioxane	50	U	8.7	50
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.0	U	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0
Tetrachloroethene	1.0	U	0.12	1.0
Toluene	1.0	U	0.25	1.0
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **TB0203**

Lab Sample ID: 460-108494-7TB

Client Matrix: Water

Date Sampled: 02/03/2016 0900

Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-349486	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36270.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/10/2016 0103			Final Weight/Volume:	5 mL
Prep Date:	02/10/2016 0103				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichloroethene	1.0	U	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 137
4-Bromofluorobenzene	99		70 - 131
Dibromofluoromethane (Surr)	101		72 - 136
Toluene-d8 (Surr)	101		74 - 120

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **TB0203**

Lab Sample ID: 460-108494-7TB

Client Matrix: Water

Date Sampled: 02/03/2016 0900

Date Received: 02/04/2016 1700

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-349486	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36270.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/10/2016 0103			Final Weight/Volume:	5 mL
Prep Date:	02/10/2016 0103				

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: 460-108494-1

Client Sample ID: **SB-5 (0-2)**

Lab Sample ID: 460-108494-1 | Date Sampled: 02/03/2016 1030
Client Matrix: Solid | % Moisture: 4.4 | Date Received: 02/04/2016 1700

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351154	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349436	Lab File ID:	L130545.D
Dilution:	1.0			Initial Weight/Volume:	15.0498 g
Analysis Date:	02/19/2016 0208			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	29	340
1,2,4,5-Tetrachlorobenzene		340	U	26	340
2,2'-oxybis[1-chloropropane]		340	U	14	340
2,3,4,6-Tetrachlorophenol		340	U	32	340
2,4,5-Trichlorophenol		340	U	34	340
2,4,6-Trichlorophenol		140	U	9.8	140
2,4-Dichlorophenol		140	U	8.1	140
2,4-Dimethylphenol		340	U	76	340
2,4-Dinitrophenol		280	U	260	280
2,4-Dinitrotoluene		70	U	14	70
2,6-Dinitrotoluene		70	U	18	70
2-Chloronaphthalene		340	U	7.8	340
2-Chlorophenol		340	U	8.8	340
2-Methylnaphthalene		340	U	7.6	340
2-Methylphenol		340	U	15	340
2-Nitroaniline		340	U	11	340
2-Nitrophenol		340	U	12	340
3,3'-Dichlorobenzidine		140	U	38	140
3-Nitroaniline		340	U	10	340
4,6-Dinitro-2-methylphenol		280	U	92	280
4-Bromophenyl phenyl ether		340	U	11	340
4-Chloro-3-methylphenol		340	U	15	340
4-Chloroaniline		340	U	8.9	340
4-Chlorophenyl phenyl ether		340	U	10	340
4-Methylphenol		340	U	9.4	340
4-Nitroaniline		340	U	13	340
4-Nitrophenol		700	U	170	700
Acenaphthene		340	U	8.3	340
Acenaphthylene		340	U	8.9	340
Acetophenone		340	U	7.5	340
Anthracene		340	U	33	340
Atrazine		140	U *	15	140
Benzaldehyde		340	U	26	340
Benzo[a]anthracene		34	U	29	34
Benzo[a]pyrene		34	U	10	34
Benzo[b]fluoranthene		34	U	13	34
Benzo[g,h,i]perylene		340	U	20	340
Benzo[k]fluoranthene		34	U	15	34
Bis(2-chloroethoxy)methane		340	U	11	340
Bis(2-chloroethyl)ether		34	U	8.1	34
Bis(2-ethylhexyl) phthalate		340	U	13	340
Butyl benzyl phthalate		340	U	11	340
Caprolactam		340	U	25	340
Carbazole		340	U	8.5	340
Chrysene		340	U *	9.4	340
Dibenz(a,h)anthracene		34	U	18	34

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-5 (0-2)**

Lab Sample ID: 460-108494-1

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 02/03/2016 1030

Date Received: 02/04/2016 1700

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351154	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349436	Lab File ID:	L130545.D
Dilution:	1.0			Initial Weight/Volume:	15.0498 g
Analysis Date:	02/19/2016 0208			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	10	340
Diethyl phthalate		340	U	9.8	340
Dimethyl phthalate		340	U	10	340
Di-n-butyl phthalate		340	U	10	340
Di-n-octyl phthalate		340	U	18	340
Fluoranthene		18	J	10	340
Fluorene		340	U	7.5	340
Hexachlorobenzene		34	U	14	34
Hexachlorobutadiene		70	U	9.7	70
Hexachlorocyclopentadiene		340	U	21	340
Hexachloroethane		34	U	13	34
Indeno[1,2,3-cd]pyrene		34	U	23	34
Isophorone		140	U	7.4	140
Naphthalene		340	U	8.8	340
Nitrobenzene		34	U	11	34
N-Nitrosodi-n-propylamine		34	U	12	34
N-Nitrosodiphenylamine		340	U	31	340
Pentachlorophenol		280	U	42	280
Phenanthrene		22	J	9.2	340
Phenol		340	U	11	340
Pyrene		20	J	16	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	93		10 - 95
2-Fluorobiphenyl	74		27 - 84
2-Fluorophenol (Surr)	74		21 - 84
Nitrobenzene-d5 (Surr)	78		28 - 92
Phenol-d5 (Surr)	74		22 - 88
Terphenyl-d14 (Surr)	81		16 - 114

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-5 (0-2)**

Lab Sample ID: 460-108494-1

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 02/03/2016 1030

Date Received: 02/04/2016 1700

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351154	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349436	Lab File ID:	L130545.D
Dilution:	1.0			Initial Weight/Volume:	15.0498 g
Analysis Date:	02/19/2016 0208			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found: 3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.90	290	J
793-24-8	1,4-Benzenediamine, N-(1,3-dimethylbutyl	11.00	400	J N
	Unknown	12.60	350	J

Client: FPM Group Limited | Job Number: 460-108494-1

Client Sample ID: **SB-5 (16-18)**

Lab Sample ID: 460-108494-2 | Date Sampled: 02/03/2016 1100
Client Matrix: Solid | % Moisture: 3.1 | Date Received: 02/04/2016 1700

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-350772	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349436	Lab File ID:	L130480.D
Dilution:	1.0			Initial Weight/Volume:	15.0557 g
Analysis Date:	02/17/2016 1610			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	29	340
1,2,4,5-Tetrachlorobenzene		340	U	25	340
2,2'-oxybis[1-chloropropane]		340	U	14	340
2,3,4,6-Tetrachlorophenol		340	U	32	340
2,4,5-Trichlorophenol		340	U	34	340
2,4,6-Trichlorophenol		140	U	9.7	140
2,4-Dichlorophenol		140	U	8.0	140
2,4-Dimethylphenol		340	U	75	340
2,4-Dinitrophenol		270	U	260	270
2,4-Dinitrotoluene		69	U	13	69
2,6-Dinitrotoluene		69	U	18	69
2-Chloronaphthalene		340	U	7.7	340
2-Chlorophenol		340	U	8.6	340
2-Methylnaphthalene		340	U	7.5	340
2-Methylphenol		340	U	15	340
2-Nitroaniline		340	U	11	340
2-Nitrophenol		340	U	11	340
3,3'-Dichlorobenzidine		140	U	38	140
3-Nitroaniline		340	U	10	340
4,6-Dinitro-2-methylphenol		270	U	91	270
4-Bromophenyl phenyl ether		340	U	11	340
4-Chloro-3-methylphenol		340	U	15	340
4-Chloroaniline		340	U	8.7	340
4-Chlorophenyl phenyl ether		340	U	10	340
4-Methylphenol		340	U	9.3	340
4-Nitroaniline		340	U	13	340
4-Nitrophenol		690	U	160	690
Acenaphthene		340	U	8.2	340
Acenaphthylene		340	U	8.7	340
Acetophenone		340	U	7.4	340
Anthracene		340	U	32	340
Atrazine		140	U *	15	140
Benzaldehyde		340	U	26	340
Benzo[a]anthracene		34	U	28	34
Benzo[a]pyrene		34	U	10	34
Benzo[b]fluoranthene		34	U	13	34
Benzo[g,h,i]perylene		340	U	20	340
Benzo[k]fluoranthene		34	U	15	34
Bis(2-chloroethoxy)methane		340	U	11	340
Bis(2-chloroethyl)ether		34	U	8.0	34
Bis(2-ethylhexyl) phthalate		340	U	13	340
Butyl benzyl phthalate		340	U	10	340
Caprolactam		340	U	24	340
Carbazole		340	U	8.4	340
Chrysene		340	U *	9.3	340
Dibenz(a,h)anthracene		34	U	18	34

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-5 (16-18)**

Lab Sample ID: 460-108494-2

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 02/03/2016 1100

Date Received: 02/04/2016 1700

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-350772	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349436	Lab File ID:	L130480.D
Dilution:	1.0			Initial Weight/Volume:	15.0557 g
Analysis Date:	02/17/2016 1610			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	10	340
Diethyl phthalate		340	U	9.7	340
Dimethyl phthalate		340	U	9.9	340
Di-n-butyl phthalate		340	U	10	340
Di-n-octyl phthalate		340	U	17	340
Fluoranthene		340	U	10	340
Fluorene		340	U	7.4	340
Hexachlorobenzene		34	U	14	34
Hexachlorobutadiene		69	U	9.6	69
Hexachlorocyclopentadiene		340	U	21	340
Hexachloroethane		34	U	12	34
Indeno[1,2,3-cd]pyrene		34	U	23	34
Isophorone		140	U	7.3	140
Naphthalene		340	U	8.6	340
Nitrobenzene		34	U	11	34
N-Nitrosodi-n-propylamine		34	U	11	34
N-Nitrosodiphenylamine		340	U	31	340
Pentachlorophenol		270	U	41	270
Phenanthrene		340	U	9.1	340
Phenol		340	U	11	340
Pyrene		340	U	15	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	60		10 - 95
2-Fluorobiphenyl	82		27 - 84
2-Fluorophenol (Surr)	82		21 - 84
Nitrobenzene-d5 (Surr)	90		28 - 92
Phenol-d5 (Surr)	83		22 - 88
Terphenyl-d14 (Surr)	108		16 - 114

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-5 (16-18)**

Lab Sample ID: 460-108494-2

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 02/03/2016 1100

Date Received: 02/04/2016 1700

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-350772	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349436	Lab File ID:	L130480.D
Dilution:	1.0			Initial Weight/Volume:	15.0557 g
Analysis Date:	02/17/2016 1610			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found: 1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	5.39	290	J

Client: FPM Group Limited | Job Number: 460-108494-1

Client Sample ID: **SB-6 (0-2)**

Lab Sample ID: 460-108494-3 | Date Sampled: 02/03/2016 1130
Client Matrix: Solid | % Moisture: 3.2 | Date Received: 02/04/2016 1700

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-350772	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349436	Lab File ID:	L130481.D
Dilution:	1.0			Initial Weight/Volume:	15.0221 g
Analysis Date:	02/17/2016 1636			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	29	340
1,2,4,5-Tetrachlorobenzene		340	U	25	340
2,2'-oxybis[1-chloropropane]		340	U	14	340
2,3,4,6-Tetrachlorophenol		340	U	32	340
2,4,5-Trichlorophenol		340	U	34	340
2,4,6-Trichlorophenol		140	U	9.7	140
2,4-Dichlorophenol		140	U	8.0	140
2,4-Dimethylphenol		340	U	75	340
2,4-Dinitrophenol		270	U	260	270
2,4-Dinitrotoluene		69	U	14	69
2,6-Dinitrotoluene		69	U	18	69
2-Chloronaphthalene		340	U	7.7	340
2-Chlorophenol		340	U	8.7	340
2-Methylnaphthalene		340	U	7.5	340
2-Methylphenol		340	U	15	340
2-Nitroaniline		340	U	11	340
2-Nitrophenol		340	U	11	340
3,3'-Dichlorobenzidine		140	U	38	140
3-Nitroaniline		340	U	10	340
4,6-Dinitro-2-methylphenol		270	U	91	270
4-Bromophenyl phenyl ether		340	U	11	340
4-Chloro-3-methylphenol		340	U	15	340
4-Chloroaniline		340	U	8.8	340
4-Chlorophenyl phenyl ether		340	U	10	340
4-Methylphenol		340	U	9.3	340
4-Nitroaniline		340	U	13	340
4-Nitrophenol		690	U	160	690
Acenaphthene		340	U	8.3	340
Acenaphthylene		340	U	8.8	340
Acetophenone		340	U	7.4	340
Anthracene		340	U	32	340
Atrazine		140	U *	15	140
Benzaldehyde		340	U	26	340
Benzo[a]anthracene		34	U	28	34
Benzo[a]pyrene		34	U	10	34
Benzo[b]fluoranthene		34	U	13	34
Benzo[g,h,i]perylene		340	U	20	340
Benzo[k]fluoranthene		34	U	15	34
Bis(2-chloroethoxy)methane		340	U	11	340
Bis(2-chloroethyl)ether		34	U	8.0	34
Bis(2-ethylhexyl) phthalate		340	U	13	340
Butyl benzyl phthalate		340	U	11	340
Caprolactam		340	U	25	340
Carbazole		340	U	8.5	340
Chrysene		340	U *	9.3	340
Dibenz(a,h)anthracene		34	U	18	34

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-6 (0-2)**

Lab Sample ID: 460-108494-3

Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 02/03/2016 1130

Date Received: 02/04/2016 1700

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-350772	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349436	Lab File ID:	L130481.D
Dilution:	1.0			Initial Weight/Volume:	15.0221 g
Analysis Date:	02/17/2016 1636			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	10	340
Diethyl phthalate		340	U	9.7	340
Dimethyl phthalate		340	U	9.9	340
Di-n-butyl phthalate		340	U	10	340
Di-n-octyl phthalate		340	U	17	340
Fluoranthene		340	U	10	340
Fluorene		340	U	7.4	340
Hexachlorobenzene		34	U	14	34
Hexachlorobutadiene		69	U	9.6	69
Hexachlorocyclopentadiene		340	U	21	340
Hexachloroethane		34	U	12	34
Indeno[1,2,3-cd]pyrene		34	U	23	34
Isophorone		140	U	7.3	140
Naphthalene		340	U	8.7	340
Nitrobenzene		34	U	11	34
N-Nitrosodi-n-propylamine		34	U	11	34
N-Nitrosodiphenylamine		340	U	31	340
Pentachlorophenol		270	U	41	270
Phenanthrene		340	U	9.1	340
Phenol		340	U	11	340
Pyrene		340	U	15	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	37		10 - 95
2-Fluorobiphenyl	75		27 - 84
2-Fluorophenol (Surr)	68		21 - 84
Nitrobenzene-d5 (Surr)	81		28 - 92
Phenol-d5 (Surr)	75		22 - 88
Terphenyl-d14 (Surr)	98		16 - 114

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-6 (0-2)**

Lab Sample ID: 460-108494-3

Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 02/03/2016 1130

Date Received: 02/04/2016 1700

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-350772	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349436	Lab File ID:	L130481.D
Dilution:	1.0			Initial Weight/Volume:	15.0221 g
Analysis Date:	02/17/2016 1636			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found: 3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	3.63	1100	J
	Unknown	5.40	1600	J
	Unknown	5.71	790	J

Client: FPM Group Limited | Job Number: 460-108494-1

Client Sample ID: **SB-6 (18-20)**

Lab Sample ID: 460-108494-4 | Date Sampled: 02/03/2016 1200
Client Matrix: Solid | % Moisture: 4.4 | Date Received: 02/04/2016 1700

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-350772	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349436	Lab File ID:	L130482.D
Dilution:	1.0			Initial Weight/Volume:	15.0669 g
Analysis Date:	02/17/2016 1702			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL

Analyte DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl	340	U	29	340
1,2,4,5-Tetrachlorobenzene	340	U	26	340
2,2'-oxybis[1-chloropropane]	340	U	14	340
2,3,4,6-Tetrachlorophenol	340	U	32	340
2,4,5-Trichlorophenol	340	U	34	340
2,4,6-Trichlorophenol	140	U	9.8	140
2,4-Dichlorophenol	140	U	8.1	140
2,4-Dimethylphenol	340	U	76	340
2,4-Dinitrophenol	280	U	260	280
2,4-Dinitrotoluene	70	U	14	70
2,6-Dinitrotoluene	70	U	18	70
2-Chloronaphthalene	340	U	7.8	340
2-Chlorophenol	340	U	8.7	340
2-Methylnaphthalene	340	U	7.6	340
2-Methylphenol	340	U	15	340
2-Nitroaniline	340	U	11	340
2-Nitrophenol	340	U	12	340
3,3'-Dichlorobenzidine	140	U	38	140
3-Nitroaniline	340	U	10	340
4,6-Dinitro-2-methylphenol	280	U	92	280
4-Bromophenyl phenyl ether	340	U	11	340
4-Chloro-3-methylphenol	340	U	15	340
4-Chloroaniline	340	U	8.9	340
4-Chlorophenyl phenyl ether	340	U	10	340
4-Methylphenol	340	U	9.4	340
4-Nitroaniline	340	U	13	340
4-Nitrophenol	700	U	170	700
Acenaphthene	340	U	8.3	340
Acenaphthylene	340	U	8.9	340
Acetophenone	340	U	7.5	340
Anthracene	340	U	33	340
Atrazine	140	U *	15	140
Benzaldehyde	340	U	26	340
Benzo[a]anthracene	34	U	29	34
Benzo[a]pyrene	34	U	10	34
Benzo[b]fluoranthene	34	U	13	34
Benzo[g,h,i]perylene	340	U	20	340
Benzo[k]fluoranthene	34	U	15	34
Bis(2-chloroethoxy)methane	340	U	11	340
Bis(2-chloroethyl)ether	34	U	8.1	34
Bis(2-ethylhexyl) phthalate	340	U	13	340
Butyl benzyl phthalate	340	U	11	340
Caprolactam	340	U	25	340
Carbazole	340	U	8.5	340
Chrysene	340	U *	9.4	340
Dibenz(a,h)anthracene	34	U	18	34

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-6 (18-20)**

Lab Sample ID: 460-108494-4

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 02/03/2016 1200

Date Received: 02/04/2016 1700

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-350772	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349436	Lab File ID:	L130482.D
Dilution:	1.0			Initial Weight/Volume:	15.0669 g
Analysis Date:	02/17/2016 1702			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	10	340
Diethyl phthalate		340	U	9.8	340
Dimethyl phthalate		340	U	10	340
Di-n-butyl phthalate		340	U	10	340
Di-n-octyl phthalate		340	U	17	340
Fluoranthene		340	U	10	340
Fluorene		340	U	7.5	340
Hexachlorobenzene		34	U	14	34
Hexachlorobutadiene		70	U	9.7	70
Hexachlorocyclopentadiene		340	U	21	340
Hexachloroethane		34	U	13	34
Indeno[1,2,3-cd]pyrene		34	U	23	34
Isophorone		140	U	7.4	140
Naphthalene		340	U	8.7	340
Nitrobenzene		34	U	11	34
N-Nitrosodi-n-propylamine		34	U	12	34
N-Nitrosodiphenylamine		340	U	31	340
Pentachlorophenol		280	U	42	280
Phenanthrene		340	U	9.2	340
Phenol		340	U	11	340
Pyrene		340	U	16	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	61		10 - 95
2-Fluorobiphenyl	84		27 - 84
2-Fluorophenol (Surr)	85	*	21 - 84
Nitrobenzene-d5 (Surr)	91		28 - 92
Phenol-d5 (Surr)	85		22 - 88
Terphenyl-d14 (Surr)	106		16 - 114

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-6 (18-20)**

Lab Sample ID: 460-108494-4

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 02/03/2016 1200

Date Received: 02/04/2016 1700

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-350772	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349436	Lab File ID:	L130482.D
Dilution:	1.0			Initial Weight/Volume:	15.0669 g
Analysis Date:	02/17/2016 1702			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			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: 460-108494-1

Client Sample ID: **SB-3 (0-2)**

Lab Sample ID: 460-108494-5 | Date Sampled: 02/03/2016 1300
Client Matrix: Solid | % Moisture: 5.0 | Date Received: 02/04/2016 1700

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-350772	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349436	Lab File ID:	L130483.D
Dilution:	1.0			Initial Weight/Volume:	15.0112 g
Analysis Date:	02/17/2016 1728			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		350	U	30	350
1,2,4,5-Tetrachlorobenzene		350	U	26	350
2,2'-oxybis[1-chloropropane]		350	U	14	350
2,3,4,6-Tetrachlorophenol		350	U	33	350
2,4,5-Trichlorophenol		350	U	35	350
2,4,6-Trichlorophenol		140	U	9.9	140
2,4-Dichlorophenol		140	U	8.2	140
2,4-Dimethylphenol		350	U	76	350
2,4-Dinitrophenol		280	U	260	280
2,4-Dinitrotoluene		71	U	14	71
2,6-Dinitrotoluene		71	U	19	71
2-Chloronaphthalene		350	U	7.9	350
2-Chlorophenol		350	U	8.8	350
2-Methylnaphthalene		350	U	7.7	350
2-Methylphenol		350	U	15	350
2-Nitroaniline		350	U	11	350
2-Nitrophenol		350	U	12	350
3,3'-Dichlorobenzidine		140	U	39	140
3-Nitroaniline		350	U	10	350
4,6-Dinitro-2-methylphenol		280	U	93	280
4-Bromophenyl phenyl ether		350	U	11	350
4-Chloro-3-methylphenol		350	U	15	350
4-Chloroaniline		350	U	8.9	350
4-Chlorophenyl phenyl ether		350	U	10	350
4-Methylphenol		350	U	9.5	350
4-Nitroaniline		350	U	13	350
4-Nitrophenol		710	U	170	710
Acenaphthene		350	U	8.4	350
Acenaphthylene		350	U	8.9	350
Acetophenone		350	U	7.6	350
Anthracene		350	U	33	350
Atrazine		140	U *	15	140
Benzaldehyde		350	U	27	350
Benzo[a]anthracene		35	U	29	35
Benzo[a]pyrene		35	U	11	35
Benzo[b]fluoranthene		35	U	14	35
Benzo[g,h,i]perylene		350	U	20	350
Benzo[k]fluoranthene		35	U	15	35
Bis(2-chloroethoxy)methane		350	U	11	350
Bis(2-chloroethyl)ether		35	U	8.2	35
Bis(2-ethylhexyl) phthalate		350	U	14	350
Butyl benzyl phthalate		350	U	11	350
Caprolactam		350	U	25	350
Carbazole		350	U	8.6	350
Chrysene		350	U *	9.5	350
Dibenz(a,h)anthracene		35	U	18	35

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-3 (0-2)**

Lab Sample ID: 460-108494-5

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 02/03/2016 1300

Date Received: 02/04/2016 1700

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-350772	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349436	Lab File ID:	L130483.D
Dilution:	1.0			Initial Weight/Volume:	15.0112 g
Analysis Date:	02/17/2016 1728			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		350	U	11	350
Diethyl phthalate		350	U	9.9	350
Dimethyl phthalate		350	U	10	350
Di-n-butyl phthalate		350	U	10	350
Di-n-octyl phthalate		350	U	18	350
Fluoranthene		350	U	10	350
Fluorene		350	U	7.6	350
Hexachlorobenzene		35	U	14	35
Hexachlorobutadiene		71	U	9.8	71
Hexachlorocyclopentadiene		350	U	22	350
Hexachloroethane		35	U	13	35
Indeno[1,2,3-cd]pyrene		35	U	23	35
Isophorone		120	J	7.5	140
Naphthalene		350	U	8.8	350
Nitrobenzene		35	U	11	35
N-Nitrosodi-n-propylamine		35	U	12	35
N-Nitrosodiphenylamine		350	U	32	350
Pentachlorophenol		280	U	42	280
Phenanthrene		350	U	9.3	350
Phenol		350	U	11	350
Pyrene		350	U	16	350

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	71		10 - 95
2-Fluorobiphenyl	84		27 - 84
2-Fluorophenol (Surr)	84		21 - 84
Nitrobenzene-d5 (Surr)	91		28 - 92
Phenol-d5 (Surr)	87		22 - 88
Terphenyl-d14 (Surr)	113		16 - 114

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-3 (0-2)**

Lab Sample ID: 460-108494-5
Client Matrix: Solid
% Moisture: 5.0

Date Sampled: 02/03/2016 1300
Date Received: 02/04/2016 1700

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-350772	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349436	Lab File ID:	L130483.D
Dilution:	1.0			Initial Weight/Volume:	15.0112 g
Analysis Date:	02/17/2016 1728			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			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: 460-108494-1

Client Sample ID: **SB-3 (9-11)**

Lab Sample ID: 460-108494-6 | Date Sampled: 02/03/2016 1330
Client Matrix: Solid | % Moisture: 9.4 | Date Received: 02/04/2016 1700

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-350384	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349436	Lab File ID:	L130394.D
Dilution:	1.0			Initial Weight/Volume:	15.0236 g
Analysis Date:	02/15/2016 1828			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		360	U	31	360
1,2,4,5-Tetrachlorobenzene		360	U	27	360
2,2'-oxybis[1-chloropropane]		360	U	15	360
2,3,4,6-Tetrachlorophenol		360	U	34	360
2,4,5-Trichlorophenol		360	U	36	360
2,4,6-Trichlorophenol		150	U	10	150
2,4-Dichlorophenol		150	U	8.6	150
2,4-Dimethylphenol		360	U	80	360
2,4-Dinitrophenol		290	U	280	290
2,4-Dinitrotoluene		74	U	14	74
2,6-Dinitrotoluene		74	U	19	74
2-Chloronaphthalene		360	U	8.3	360
2-Chlorophenol		360	U	9.3	360
2-Methylnaphthalene		360	U	8.0	360
2-Methylphenol		360	U	16	360
2-Nitroaniline		360	U	12	360
2-Nitrophenol		360	U	12	360
3,3'-Dichlorobenzidine		150	U	41	150
3-Nitroaniline		360	U	11	360
4,6-Dinitro-2-methylphenol		290	U	97	290
4-Bromophenyl phenyl ether		360	U	11	360
4-Chloro-3-methylphenol		360	U	16	360
4-Chloroaniline		360	U	9.4	360
4-Chlorophenyl phenyl ether		360	U	11	360
4-Methylphenol		360	U	9.9	360
4-Nitroaniline		360	U	14	360
4-Nitrophenol		740	U	180	740
Acenaphthene		360	U	8.8	360
Acenaphthylene		360	U	9.4	360
Acetophenone		360	U	7.9	360
Anthracene		360	U	35	360
Atrazine		150	U *	16	150
Benzaldehyde		360	U	28	360
Benzo[a]anthracene		36	U	30	36
Benzo[a]pyrene		36	U	11	36
Benzo[b]fluoranthene		36	U	14	36
Benzo[g,h,i]perylene		360	U	21	360
Benzo[k]fluoranthene		36	U	16	36
Bis(2-chloroethoxy)methane		360	U	11	360
Bis(2-chloroethyl)ether		36	U	8.6	36
Bis(2-ethylhexyl) phthalate		360	U	14	360
Butyl benzyl phthalate		360	U	11	360
Caprolactam		360	U	26	360
Carbazole		360	U	9.0	360
Chrysene		360	U *	9.9	360
Dibenz(a,h)anthracene		36	U	19	36

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-3 (9-11)**

Lab Sample ID: 460-108494-6

Client Matrix: Solid

% Moisture: 9.4

Date Sampled: 02/03/2016 1330

Date Received: 02/04/2016 1700

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-350384	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349436	Lab File ID:	L130394.D
Dilution:	1.0			Initial Weight/Volume:	15.0236 g
Analysis Date:	02/15/2016 1828			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		360	U	11	360
Diethyl phthalate		360	U	10	360
Dimethyl phthalate		360	U	11	360
Di-n-butyl phthalate		360	U	11	360
Di-n-octyl phthalate		360	U	19	360
Fluoranthene		360	U	11	360
Fluorene		360	U	7.9	360
Hexachlorobenzene		36	U	15	36
Hexachlorobutadiene		74	U	10	74
Hexachlorocyclopentadiene		360	U	23	360
Hexachloroethane		36	U	13	36
Indeno[1,2,3-cd]pyrene		36	U	24	36
Isophorone		150	U	7.8	150
Naphthalene		360	U	9.3	360
Nitrobenzene		36	U	11	36
N-Nitrosodi-n-propylamine		36	U	12	36
N-Nitrosodiphenylamine		360	U	33	360
Pentachlorophenol		290	U	44	290
Phenanthrene		360	U	9.7	360
Phenol		360	U	12	360
Pyrene		360	U	17	360

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	51		10 - 95
2-Fluorobiphenyl	75		27 - 84
2-Fluorophenol (Surr)	73		21 - 84
Nitrobenzene-d5 (Surr)	84		28 - 92
Phenol-d5 (Surr)	81		22 - 88
Terphenyl-d14 (Surr)	102		16 - 114

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-3 (9-11)**

Lab Sample ID: 460-108494-6

Client Matrix: Solid

% Moisture: 9.4

Date Sampled: 02/03/2016 1330

Date Received: 02/04/2016 1700

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-350384	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349436	Lab File ID:	L130394.D
Dilution:	1.0			Initial Weight/Volume:	15.0236 g
Analysis Date:	02/15/2016 1828			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found: 5**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	3.78	1300	J
	Unknown	5.50	320	J
	Unknown	5.53	3100	J
	Unknown	5.85	1900	J
793-24-8	1,4-Benzenediamine, N-(1,3-dimethylbutyl	10.50	480	J N

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-5 (0-2)**

Lab Sample ID: 460-108494-1

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 02/03/2016 1030

Date Received: 02/04/2016 1700

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349398	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349372	Initial Weight/Volume:	15.0069 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/09/2016 1124			Injection Volume:	1 uL
Prep Date:	02/09/2016 0347			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.0	U	0.92	7.0
4,4'-DDE		7.0	U	1.0	7.0
4,4'-DDT		7.0	U	0.72	7.0
Aldrin		7.0	U	0.85	7.0
alpha-BHC		2.1	U	0.64	2.1
beta-BHC		2.1	U	0.68	2.1
Chlordane (technical)		70	U	31	70
delta-BHC		2.1	U	0.76	2.1
Dieldrin		2.1	U	0.91	2.1
Endosulfan I		7.0	U	0.97	7.0
Endosulfan II		7.0	U	1.1	7.0
Endosulfan sulfate		7.0	U	0.82	7.0
Endrin		7.0	U	0.89	7.0
Endrin aldehyde		7.0	U	0.87	7.0
Endrin ketone		7.0	U	0.97	7.0
gamma-BHC (Lindane)		2.1	U	0.63	2.1
Heptachlor		7.0	U	0.90	7.0
Heptachlor epoxide		7.0	U	1.4	7.0
Methoxychlor		7.0	U	1.5	7.0
Toxaphene		70	U	20	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	129		55 - 148
Tetrachloro-m-xylene	126		55 - 139

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-5 (16-18)**

Lab Sample ID: 460-108494-2

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 02/03/2016 1100

Date Received: 02/04/2016 1700

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349398	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349372	Initial Weight/Volume:	15.0081 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/09/2016 1203			Injection Volume:	1 uL
Prep Date:	02/09/2016 0347			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		6.9	U	0.91	6.9
4,4'-DDE		6.9	U	1.0	6.9
4,4'-DDT		6.9	U	0.71	6.9
Aldrin		6.9	U	0.84	6.9
alpha-BHC		2.1	U	0.63	2.1
beta-BHC		2.1	U	0.67	2.1
Chlordane (technical)		69	U	30	69
delta-BHC		2.1	U	0.75	2.1
Dieldrin		2.1	U	0.90	2.1
Endosulfan I		6.9	U	0.96	6.9
Endosulfan II		6.9	U	1.1	6.9
Endosulfan sulfate		6.9	U	0.80	6.9
Endrin		6.9	U	0.88	6.9
Endrin aldehyde		6.9	U	0.86	6.9
Endrin ketone		6.9	U	0.96	6.9
gamma-BHC (Lindane)		2.1	U	0.62	2.1
Heptachlor		6.9	U	0.89	6.9
Heptachlor epoxide		6.9	U	1.4	6.9
Methoxychlor		6.9	U	1.5	6.9
Toxaphene		69	U	20	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	119		55 - 148
Tetrachloro-m-xylene	119		55 - 139

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-6 (0-2)**

Lab Sample ID: 460-108494-3

Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 02/03/2016 1130

Date Received: 02/04/2016 1700

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349398	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349372	Initial Weight/Volume:	15.0046 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/09/2016 1216			Injection Volume:	1 uL
Prep Date:	02/09/2016 0347			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		6.9	U	0.91	6.9
4,4'-DDE		6.9	U	1.0	6.9
4,4'-DDT		6.9	U	0.71	6.9
Aldrin		6.9	U	0.84	6.9
alpha-BHC		2.1	U	0.63	2.1
beta-BHC		2.1	U	0.67	2.1
Chlordane (technical)		69	U	30	69
delta-BHC		2.1	U	0.75	2.1
Dieldrin		2.1	U	0.90	2.1
Endosulfan I		6.9	U	0.96	6.9
Endosulfan II		6.9	U	1.1	6.9
Endosulfan sulfate		6.9	U	0.81	6.9
Endrin		6.9	U	0.88	6.9
Endrin aldehyde		6.9	U	0.86	6.9
Endrin ketone		6.9	U	0.96	6.9
gamma-BHC (Lindane)		2.1	U	0.62	2.1
Heptachlor		6.9	U	0.89	6.9
Heptachlor epoxide		6.9	U	1.4	6.9
Methoxychlor		6.9	U	1.5	6.9
Toxaphene		69	U	20	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	139		55 - 148
Tetrachloro-m-xylene	134		55 - 139

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-6 (18-20)**

Lab Sample ID: 460-108494-4

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 02/03/2016 1200

Date Received: 02/04/2016 1700

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349398	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349372	Initial Weight/Volume:	15.0038 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/09/2016 1228			Injection Volume:	1 uL
Prep Date:	02/09/2016 0347			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.0	U	0.92	7.0
4,4'-DDE		7.0	U	1.0	7.0
4,4'-DDT		7.0	U	0.72	7.0
Aldrin		7.0	U	0.85	7.0
alpha-BHC		2.1	U	0.64	2.1
beta-BHC		2.1	U	0.68	2.1
Chlordane (technical)		70	U	31	70
delta-BHC		2.1	U	0.76	2.1
Dieldrin		2.1	U	0.91	2.1
Endosulfan I		7.0	U	0.97	7.0
Endosulfan II		7.0	U	1.1	7.0
Endosulfan sulfate		7.0	U	0.82	7.0
Endrin		7.0	U	0.89	7.0
Endrin aldehyde		7.0	U	0.87	7.0
Endrin ketone		7.0	U	0.97	7.0
gamma-BHC (Lindane)		2.1	U	0.63	2.1
Heptachlor		7.0	U	0.90	7.0
Heptachlor epoxide		7.0	U	1.4	7.0
Methoxychlor		7.0	U	1.5	7.0
Toxaphene		70	U	20	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	136		55 - 148
Tetrachloro-m-xylene	130		55 - 139

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-3 (0-2)**

Lab Sample ID: 460-108494-5
Client Matrix: Solid
% Moisture: 5.0

Date Sampled: 02/03/2016 1300
Date Received: 02/04/2016 1700

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349398	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349372	Initial Weight/Volume:	15.0088 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/09/2016 1241			Injection Volume:	1 uL
Prep Date:	02/09/2016 0347			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.1	U	0.93	7.1
4,4'-DDE		7.1	U	1.0	7.1
4,4'-DDT		7.1	U	0.73	7.1
Aldrin		7.1	U	0.85	7.1
alpha-BHC		2.1	U	0.64	2.1
beta-BHC		2.1	U	0.68	2.1
Chlordane (technical)		71	U	31	71
delta-BHC		2.1	U	0.77	2.1
Dieldrin		2.1	U	0.92	2.1
Endosulfan I		7.1	U	0.98	7.1
Endosulfan II		7.1	U	1.1	7.1
Endosulfan sulfate		7.1	U	0.82	7.1
Endrin		7.1	U	0.89	7.1
Endrin aldehyde		7.1	U	0.87	7.1
Endrin ketone		7.1	U	0.98	7.1
gamma-BHC (Lindane)		2.1	U	0.63	2.1
Heptachlor		7.1	U	0.91	7.1
Heptachlor epoxide		7.1	U	1.4	7.1
Methoxychlor		7.1	U	1.5	7.1
Toxaphene		71	U	21	71

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	136		55 - 148
Tetrachloro-m-xylene	130		55 - 139

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-3 (9-11)**

Lab Sample ID: 460-108494-6
Client Matrix: Solid
% Moisture: 9.4

Date Sampled: 02/03/2016 1330
Date Received: 02/04/2016 1700

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349398	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349372	Initial Weight/Volume:	15.0020 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/09/2016 1254			Injection Volume:	1 uL
Prep Date:	02/09/2016 0347			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.4	U	0.97	7.4
4,4'-DDE		7.4	U	1.1	7.4
4,4'-DDT		7.4	U	0.76	7.4
Aldrin		7.4	U	0.89	7.4
alpha-BHC		2.2	U	0.67	2.2
beta-BHC		2.2	U	0.72	2.2
Chlordane (technical)		74	U	33	74
delta-BHC		2.2	U	0.81	2.2
Dieldrin		2.2	U	0.96	2.2
Endosulfan I		7.4	U	1.0	7.4
Endosulfan II		7.4	U	1.2	7.4
Endosulfan sulfate		7.4	U	0.86	7.4
Endrin		7.4	U	0.94	7.4
Endrin aldehyde		7.4	U	0.92	7.4
Endrin ketone		7.4	U	1.0	7.4
gamma-BHC (Lindane)		2.2	U	0.66	2.2
Heptachlor		7.4	U	0.95	7.4
Heptachlor epoxide		7.4	U	1.4	7.4
Methoxychlor		7.4	U	1.6	7.4
Toxaphene		74	U	22	74

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	134		55 - 148
Tetrachloro-m-xylene	131		55 - 139

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-5 (0-2)**

Lab Sample ID: 460-108494-1

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 02/03/2016 1030

Date Received: 02/04/2016 1700

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349697	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349376	Initial Weight/Volume:	15.0069 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/10/2016 1606			Injection Volume:	1 uL
Prep Date:	02/09/2016 0416			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		70	U	9.3	70
Aroclor 1221		70	U	9.3	70
Aroclor 1232		70	U	9.3	70
Aroclor 1242		70	U	9.3	70
Aroclor 1248		70	U	9.3	70
Aroclor 1254		70	U	9.6	70
Aroclor 1260		70	U	9.6	70
Aroclor-1262		70	U	9.6	70
Aroclor 1268		70	U	9.6	70
Polychlorinated biphenyls, Total		70	U	9.6	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	111		47 - 150

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-5 (0-2)**

Lab Sample ID: 460-108494-1

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 02/03/2016 1030

Date Received: 02/04/2016 1700

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349697	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349376	Initial Weight/Volume:	15.0069 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/10/2016 1606			Injection Volume:	1 uL
Prep Date:	02/09/2016 0416			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	115		47 - 150

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-5 (16-18)**

Lab Sample ID: 460-108494-2

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 02/03/2016 1100

Date Received: 02/04/2016 1700

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349697	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349376	Initial Weight/Volume:	15.0081 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/10/2016 1620			Injection Volume:	1 uL
Prep Date:	02/09/2016 0416			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		69	U	9.2	69
Aroclor 1221		69	U	9.2	69
Aroclor 1232		69	U	9.2	69
Aroclor 1242		69	U	9.2	69
Aroclor 1248		69	U	9.2	69
Aroclor 1254		69	U	9.5	69
Aroclor 1260		69	U	9.5	69
Aroclor-1262		69	U	9.5	69
Aroclor 1268		69	U	9.5	69
Polychlorinated biphenyls, Total		69	U	9.5	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	102		47 - 150

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-5 (16-18)**

Lab Sample ID: 460-108494-2
Client Matrix: Solid
% Moisture: 3.1

Date Sampled: 02/03/2016 1100
Date Received: 02/04/2016 1700

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349697	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349376	Initial Weight/Volume:	15.0081 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/10/2016 1620			Injection Volume:	1 uL
Prep Date:	02/09/2016 0416			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	117		47 - 150

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-6 (0-2)**

Lab Sample ID: 460-108494-3

Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 02/03/2016 1130

Date Received: 02/04/2016 1700

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349697	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349376	Initial Weight/Volume:	15.0046 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/10/2016 1635			Injection Volume:	1 uL
Prep Date:	02/09/2016 0416			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		69	U	9.2	69
Aroclor 1221		69	U	9.2	69
Aroclor 1232		69	U	9.2	69
Aroclor 1242		69	U	9.2	69
Aroclor 1248		69	U	9.2	69
Aroclor 1254		69	U	9.5	69
Aroclor 1260		69	U	9.5	69
Aroclor-1262		69	U	9.5	69
Aroclor 1268		69	U	9.5	69
Polychlorinated biphenyls, Total		69	U	9.5	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	106		47 - 150

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-6 (0-2)**

Lab Sample ID: 460-108494-3

Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 02/03/2016 1130

Date Received: 02/04/2016 1700

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349697	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349376	Initial Weight/Volume:	15.0046 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/10/2016 1635			Injection Volume:	1 uL
Prep Date:	02/09/2016 0416			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	119		47 - 150

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-6 (18-20)**

Lab Sample ID: 460-108494-4

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 02/03/2016 1200

Date Received: 02/04/2016 1700

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349697	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349376	Initial Weight/Volume:	15.0038 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/10/2016 1649			Injection Volume:	1 uL
Prep Date:	02/09/2016 0416			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		70	U	9.3	70
Aroclor 1221		70	U	9.3	70
Aroclor 1232		70	U	9.3	70
Aroclor 1242		70	U	9.3	70
Aroclor 1248		70	U	9.3	70
Aroclor 1254		70	U	9.6	70
Aroclor 1260		70	U	9.6	70
Aroclor-1262		70	U	9.6	70
Aroclor 1268		70	U	9.6	70
Polychlorinated biphenyls, Total		70	U	9.6	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		47 - 150

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-6 (18-20)**

Lab Sample ID: 460-108494-4

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 02/03/2016 1200

Date Received: 02/04/2016 1700

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349697	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349376	Initial Weight/Volume:	15.0038 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/10/2016 1649			Injection Volume:	1 uL
Prep Date:	02/09/2016 0416			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	112		47 - 150

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-3 (0-2)**

Lab Sample ID: 460-108494-5

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 02/03/2016 1300

Date Received: 02/04/2016 1700

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349697	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349376	Initial Weight/Volume:	15.0088 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/10/2016 1704			Injection Volume:	1 uL
Prep Date:	02/09/2016 0416			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		71	U	9.4	71
Aroclor 1221		71	U	9.4	71
Aroclor 1232		71	U	9.4	71
Aroclor 1242		71	U	9.4	71
Aroclor 1248		71	U	9.4	71
Aroclor 1254		71	U	9.7	71
Aroclor 1260		71	U	9.7	71
Aroclor-1262		71	U	9.7	71
Aroclor 1268		71	U	9.7	71
Polychlorinated biphenyls, Total		71	U	9.7	71

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	121		47 - 150

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-3 (0-2)**

Lab Sample ID: 460-108494-5

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 02/03/2016 1300

Date Received: 02/04/2016 1700

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349697	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349376	Initial Weight/Volume:	15.0088 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/10/2016 1704			Injection Volume:	1 uL
Prep Date:	02/09/2016 0416			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	119		47 - 150

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-3 (9-11)**

Lab Sample ID: 460-108494-6

Client Matrix: Solid

% Moisture: 9.4

Date Sampled: 02/03/2016 1330

Date Received: 02/04/2016 1700

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349697	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349376	Initial Weight/Volume:	15.0020 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/10/2016 1718			Injection Volume:	1 uL
Prep Date:	02/09/2016 0416			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		74	U	9.8	74
Aroclor 1221		74	U	9.8	74
Aroclor 1232		74	U	9.8	74
Aroclor 1242		74	U	9.8	74
Aroclor 1248		74	U	9.8	74
Aroclor 1254		74	U	10	74
Aroclor 1260		74	U	10	74
Aroclor-1262		74	U	10	74
Aroclor 1268		74	U	10	74
Polychlorinated biphenyls, Total		74	U	10	74

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		47 - 150

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-3 (9-11)**

Lab Sample ID: 460-108494-6

Client Matrix: Solid

% Moisture: 9.4

Date Sampled: 02/03/2016 1330

Date Received: 02/04/2016 1700

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349697	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349376	Initial Weight/Volume:	15.0020 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/10/2016 1718			Injection Volume:	1 uL
Prep Date:	02/09/2016 0416			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	118		47 - 150

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-5 (0-2)**

Lab Sample ID: 460-108494-1
Client Matrix: Solid
% Moisture: 4.4
Date Sampled: 02/03/2016 1030
Date Received: 02/04/2016 1700

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-349631	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-349352	Lab File ID:	349351.asc
Dilution:	4.0			Initial Weight/Volume:	1.30 g
Analysis Date:	02/10/2016 1348			Final Weight/Volume:	50 mL
Prep Date:	02/08/2016 2107				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5560		16.6	32.2
Antimony		3.2	U	1.3	3.2
Arsenic		1.0	J	0.79	2.4
Barium		54.8		1.2	32.2
Beryllium		0.30	J	0.27	0.32
Cadmium		0.64	U	0.34	0.64
Calcium		1460		47.6	805
Chromium		10.7		0.78	1.6
Cobalt		4.2	J	0.93	8.0
Copper		15.1		1.0	4.0
Iron		10500		18.2	24.1
Lead		2.9		0.63	1.6
Magnesium		2020		40.2	805
Manganese		236		0.84	2.4
Nickel		10.1		1.2	6.4
Potassium		903		24.4	805
Selenium		3.2	U	1.1	3.2
Silver		1.6	U	0.28	1.6
Sodium		133	J	54.5	805
Thallium		3.2	U	1.4	3.2
Vanadium		17.0		0.80	8.0
Zinc		19.0		1.2	4.8

7471B Mercury (CVAA)

Analysis Method:	7471B	Analysis Batch:	460-349444	Instrument ID:	LEEMAN6
Prep Method:	7471B	Prep Batch:	460-349380	Lab File ID:	349379hg.CSV
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Analysis Date:	02/09/2016 1209			Final Weight/Volume:	50 mL
Prep Date:	02/09/2016 0445				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.016	U	0.012	0.016

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-5 (16-18)**

Lab Sample ID: 460-108494-2
Client Matrix: Solid
% Moisture: 3.1

Date Sampled: 02/03/2016 1100
Date Received: 02/04/2016 1700

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-349631	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-349351	Lab File ID:	349351.asc
Dilution:	4.0			Initial Weight/Volume:	1.27 g
Analysis Date:	02/10/2016 1044			Final Weight/Volume:	50 mL
Prep Date:	02/08/2016 1917				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3710		16.7	32.5
Antimony		3.3	U	1.3	3.3
Arsenic		2.4	U	0.80	2.4
Barium		28.1	J	1.2	32.5
Beryllium		0.28	J	0.28	0.33
Cadmium		0.65	U	0.34	0.65
Calcium		1040		48.1	813
Chromium		10.3		0.79	1.6
Cobalt		4.2	J	0.93	8.1
Copper		8.0		1.1	4.1
Iron		7870		18.4	24.4
Lead		1.9		0.64	1.6
Magnesium		2000		40.6	813
Manganese		326		0.85	2.4
Nickel		12.7		1.2	6.5
Potassium		438	J	24.6	813
Selenium		3.3	U	1.1	3.3
Silver		1.6	U	0.29	1.6
Sodium		89.5	J	55.0	813
Thallium		3.3	U	1.4	3.3
Vanadium		11.3		0.81	8.1
Zinc		13.4		1.2	4.9

7471B Mercury (CVAA)

Analysis Method:	7471B	Analysis Batch:	460-349444	Instrument ID:	LEEMAN6
Prep Method:	7471B	Prep Batch:	460-349380	Lab File ID:	349379hg.CSV
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	02/09/2016 1211			Final Weight/Volume:	50 mL
Prep Date:	02/09/2016 0445				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.018	U	0.012	0.018

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-6 (0-2)**

Lab Sample ID: 460-108494-3
Client Matrix: Solid
% Moisture: 3.2

Date Sampled: 02/03/2016 1130
Date Received: 02/04/2016 1700

6010C Metals (ICP)

Analysis Method: 6010C
Prep Method: 3050B
Dilution: 4.0
Analysis Date: 02/10/2016 1352
Prep Date: 02/08/2016 2107

Analysis Batch: 460-349631
Prep Batch: 460-349352

Instrument ID: ICP4
Lab File ID: 349351.asc
Initial Weight/Volume: 1.27 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5740		16.8	32.5
Antimony		3.3	U	1.3	3.3
Arsenic		2.4	U	0.80	2.4
Barium		20.0	J	1.2	32.5
Beryllium		0.28	J	0.28	0.33
Cadmium		0.65	U	0.34	0.65
Calcium		709	J	48.2	813
Chromium		12.9		0.79	1.6
Cobalt		3.6	J	0.94	8.1
Copper		13.5		1.1	4.1
Iron		8640		18.4	24.4
Lead		2.3		0.64	1.6
Magnesium		2170		40.6	813
Manganese		296		0.85	2.4
Nickel		11.0		1.2	6.5
Potassium		360	J	24.6	813
Selenium		3.3	U	1.1	3.3
Silver		1.6	U	0.29	1.6
Sodium		103	J	55.1	813
Thallium		3.3	U	1.4	3.3
Vanadium		15.0		0.81	8.1
Zinc		16.4		1.2	4.9

7471B Mercury (CVAA)

Analysis Method: 7471B
Prep Method: 7471B
Dilution: 1.0
Analysis Date: 02/09/2016 1213
Prep Date: 02/09/2016 0445

Analysis Batch: 460-349444
Prep Batch: 460-349380

Instrument ID: LEEMAN6
Lab File ID: 349379hg.CSV
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	U	0.012	0.017

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-6 (18-20)**

Lab Sample ID: 460-108494-4
Client Matrix: Solid
% Moisture: 4.4

Date Sampled: 02/03/2016 1200
Date Received: 02/04/2016 1700

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-349631	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-349352	Lab File ID:	349351.asc
Dilution:	4.0			Initial Weight/Volume:	1.25 g
Analysis Date:	02/10/2016 1356			Final Weight/Volume:	50 mL
Prep Date:	02/08/2016 2107				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2180		17.2	33.5
Antimony		3.3	U	1.3	3.3
Arsenic		2.5	U	0.82	2.5
Barium		20.1	J	1.2	33.5
Beryllium		0.33	U	0.28	0.33
Cadmium		0.67	U	0.35	0.67
Calcium		766	J	49.6	837
Chromium		5.4		0.81	1.7
Cobalt		2.0	J	0.96	8.4
Copper		4.5		1.1	4.2
Iron		4300		18.9	25.1
Lead		1.0	J	0.66	1.7
Magnesium		1040		41.8	837
Manganese		161		0.88	2.5
Nickel		5.6	J	1.2	6.7
Potassium		378	J	25.4	837
Selenium		3.3	U	1.2	3.3
Silver		1.7	U	0.30	1.7
Sodium		63.2	J	56.7	837
Thallium		3.3	U	1.5	3.3
Vanadium		5.6	J	0.84	8.4
Zinc		8.4		1.2	5.0

7471B Mercury (CVAA)

Analysis Method:	7471B	Analysis Batch:	460-349444	Instrument ID:	LEEMAN6
Prep Method:	7471B	Prep Batch:	460-349380	Lab File ID:	349379hg.CSV
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Analysis Date:	02/09/2016 1219			Final Weight/Volume:	50 mL
Prep Date:	02/09/2016 0445				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	U	0.012	0.017

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-3 (0-2)**

Lab Sample ID: 460-108494-5
Client Matrix: Solid
% Moisture: 5.0

Date Sampled: 02/03/2016 1300
Date Received: 02/04/2016 1700

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-349631	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-349352	Lab File ID:	349351.asc
Dilution:	4.0			Initial Weight/Volume:	1.28 g
Analysis Date:	02/10/2016 1400			Final Weight/Volume:	50 mL
Prep Date:	02/08/2016 2107				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3830		16.9	32.9
Antimony		3.3	U	1.3	3.3
Arsenic		0.97	J	0.81	2.5
Barium		13.8	J	1.2	32.9
Beryllium		0.33	U	0.28	0.33
Cadmium		0.66	U	0.34	0.66
Calcium		447	J	48.7	823
Chromium		7.1		0.80	1.6
Cobalt		2.7	J	0.95	8.2
Copper		10.1		1.1	4.1
Iron		6190		18.6	24.7
Lead		2.4		0.65	1.6
Magnesium		1310		41.1	823
Manganese		182		0.86	2.5
Nickel		6.6		1.2	6.6
Potassium		275	J	24.9	823
Selenium		3.3	U	1.1	3.3
Silver		1.6	U	0.29	1.6
Sodium		823	U	55.7	823
Thallium		3.3	U	1.5	3.3
Vanadium		8.4		0.82	8.2
Zinc		11.1		1.2	4.9

7471B Mercury (CVAA)

Analysis Method:	7471B	Analysis Batch:	460-349444	Instrument ID:	LEEMAN6
Prep Method:	7471B	Prep Batch:	460-349380	Lab File ID:	349379hg.CSV
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	02/09/2016 1221			Final Weight/Volume:	50 mL
Prep Date:	02/09/2016 0445				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	U	0.012	0.017

Client: FPM Group Limited

Job Number: 460-108494-1

Client Sample ID: **SB-3 (9-11)**

Lab Sample ID: 460-108494-6
Client Matrix: Solid
% Moisture: 9.4
Date Sampled: 02/03/2016 1330
Date Received: 02/04/2016 1700

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-349631	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-349352	Lab File ID:	349351.asc
Dilution:	4.0			Initial Weight/Volume:	1.28 g
Analysis Date:	02/10/2016 1404			Final Weight/Volume:	50 mL
Prep Date:	02/08/2016 2107				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4490		17.8	34.5
Antimony		3.5	U	1.4	3.5
Arsenic		1.4	J	0.85	2.6
Barium		27.6	J	1.2	34.5
Beryllium		0.37		0.29	0.35
Cadmium		0.69	U	0.36	0.69
Calcium		613	J	51.1	863
Chromium		12.0		0.83	1.7
Cobalt		3.8	J	0.99	8.6
Copper		8.4		1.1	4.3
Iron		12100		19.5	25.9
Lead		2.7		0.68	1.7
Magnesium		1190		43.0	863
Manganese		212		0.91	2.6
Nickel		6.8	J	1.3	6.9
Potassium		538	J	26.1	863
Selenium		3.5	U	1.2	3.5
Silver		1.7	U	0.30	1.7
Sodium		69.8	J	58.4	863
Thallium		3.5	U	1.5	3.5
Vanadium		17.4		0.86	8.6
Zinc		17.8		1.3	5.2

7471B Mercury (CVAA)

Analysis Method:	7471B	Analysis Batch:	460-349444	Instrument ID:	LEEMAN6
Prep Method:	7471B	Prep Batch:	460-349380	Lab File ID:	349379hg.CSV
Dilution:	1.0			Initial Weight/Volume:	0.67 g
Analysis Date:	02/09/2016 1222			Final Weight/Volume:	50 mL
Prep Date:	02/09/2016 0445				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	U	0.012	0.017

General Chemistry

Client Sample ID: **SB-5 (0-2)**

Lab Sample ID: 460-108494-1

Client Matrix: Solid

Date Sampled: 02/03/2016 1030

Date Received: 02/04/2016 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349450	Analysis Date: 02/09/2016 1445						DryWt Corrected: N
Percent Solids	95.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349450	Analysis Date: 02/09/2016 1445						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-5 (16-18)**

Lab Sample ID: 460-108494-2

Client Matrix: Solid

Date Sampled: 02/03/2016 1100

Date Received: 02/04/2016 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349450	Analysis Date: 02/09/2016 1445						DryWt Corrected: N
Percent Solids	96.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349450	Analysis Date: 02/09/2016 1445						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-6 (0-2)**

Lab Sample ID: 460-108494-3

Client Matrix: Solid

Date Sampled: 02/03/2016 1130

Date Received: 02/04/2016 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349450	Analysis Date: 02/09/2016 1445						DryWt Corrected: N
Percent Solids	96.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349450	Analysis Date: 02/09/2016 1445						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-6 (18-20)**

Lab Sample ID: 460-108494-4

Client Matrix: Solid

Date Sampled: 02/03/2016 1200

Date Received: 02/04/2016 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349450	Analysis Date: 02/09/2016 1445						DryWt Corrected: N
Percent Solids	95.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349450	Analysis Date: 02/09/2016 1445						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-3 (0-2)**

Lab Sample ID: 460-108494-5

Client Matrix: Solid

Date Sampled: 02/03/2016 1300

Date Received: 02/04/2016 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349452	Analysis Date: 02/09/2016 1450						DryWt Corrected: N
Percent Solids	95.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349452	Analysis Date: 02/09/2016 1450						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-3 (9-11)**

Lab Sample ID: 460-108494-6

Client Matrix: Solid

Date Sampled: 02/03/2016 1330

Date Received: 02/04/2016 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349452	Analysis Date: 02/09/2016 1450						DryWt Corrected: N
Percent Solids	90.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349452	Analysis Date: 02/09/2016 1450						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: FPM Group Limited

Job Number: 460-108494-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	*	Duplicate RPD exceeds control limits
	J	Indicates an estimated value.
	*	LCS or LCSD is outside acceptance limits.
	*	MS or MSD is outside acceptance limits.
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 is outside acceptance limits.
	*	MS or MSD is outside acceptance limits.
	*	Surrogate is outside acceptance 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.
	*	MS or MSD is outside acceptance limits.
	*	Surrogate is outside acceptance limits.
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
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: 460-108494-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 460-349161					
460-108494-1	SB-5 (0-2)	T	Solid	5035	
460-108494-2	SB-5 (16-18)	T	Solid	5035	
460-108494-3	SB-6 (0-2)	T	Solid	5035	
460-108494-4	SB-6 (18-20)	T	Solid	5035	
460-108494-5	SB-3 (0-2)	T	Solid	5035	
460-108494-6	SB-3 (9-11)	T	Solid	5035	
Analysis Batch:460-349486					
LCS 460-349486/3	Lab Control Sample	T	Water	8260C	
MB 460-349486/7	Method Blank	T	Water	8260C	
460-108494-7TB	TB0203	T	Water	8260C	
460-108498-A-34 MS	Matrix Spike	T	Water	8260C	
460-108498-A-34 MSD	Matrix Spike Duplicate	T	Water	8260C	
Analysis Batch:460-349940					
LCS 460-349940/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-349940/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-349940/7	Method Blank	T	Solid	8260C	
460-108494-2	SB-5 (16-18)	T	Solid	8260C	460-349161
460-108494-3	SB-6 (0-2)	T	Solid	8260C	460-349161
460-108494-4	SB-6 (18-20)	T	Solid	8260C	460-349161
460-108494-5	SB-3 (0-2)	T	Solid	8260C	460-349161
460-108494-6	SB-3 (9-11)	T	Solid	8260C	460-349161
Analysis Batch:460-350091					
LCS 460-350091/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-350091/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-350091/7	Method Blank	T	Solid	8260C	
460-108494-1	SB-5 (0-2)	T	Solid	8260C	460-349161

Report Basis
T = Total

Client: FPM Group Limited

Job Number: 460-108494-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 460-349436					
LCS 460-349436/2-A	Lab Control Sample	T	Solid	3546	
LCS 460-349436/3-A	Lab Control Sample	T	Solid	3546	
MB 460-349436/1-A	Method Blank	T	Solid	3546	
460-108494-1	SB-5 (0-2)	T	Solid	3546	
460-108494-2	SB-5 (16-18)	T	Solid	3546	
460-108494-3	SB-6 (0-2)	T	Solid	3546	
460-108494-4	SB-6 (18-20)	T	Solid	3546	
460-108494-5	SB-3 (0-2)	T	Solid	3546	
460-108494-6	SB-3 (9-11)	T	Solid	3546	
460-108494-6MS	Matrix Spike	T	Solid	3546	
460-108494-6MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:460-350384					
LCS 460-349436/2-A	Lab Control Sample	T	Solid	8270D	460-349436
LCS 460-349436/3-A	Lab Control Sample	T	Solid	8270D	460-349436
460-108494-6	SB-3 (9-11)	T	Solid	8270D	460-349436
460-108494-6MS	Matrix Spike	T	Solid	8270D	460-349436
460-108494-6MSD	Matrix Spike Duplicate	T	Solid	8270D	460-349436
Analysis Batch:460-350458					
MB 460-349436/1-A	Method Blank	T	Solid	8270D	460-349436
Analysis Batch:460-350772					
460-108494-2	SB-5 (16-18)	T	Solid	8270D	460-349436
460-108494-3	SB-6 (0-2)	T	Solid	8270D	460-349436
460-108494-4	SB-6 (18-20)	T	Solid	8270D	460-349436
460-108494-5	SB-3 (0-2)	T	Solid	8270D	460-349436
Analysis Batch:460-351154					
460-108494-1	SB-5 (0-2)	T	Solid	8270D	460-349436

Report Basis
T = Total

Client: FPM Group Limited

Job Number: 460-108494-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-349372					
LCS 460-349372/2-A	Lab Control Sample	T	Solid	3546	
MB 460-349372/1-A	Method Blank	T	Solid	3546	
460-108494-1	SB-5 (0-2)	T	Solid	3546	
460-108494-1MS	Matrix Spike	T	Solid	3546	
460-108494-1MSD	Matrix Spike Duplicate	T	Solid	3546	
460-108494-2	SB-5 (16-18)	T	Solid	3546	
460-108494-3	SB-6 (0-2)	T	Solid	3546	
460-108494-4	SB-6 (18-20)	T	Solid	3546	
460-108494-5	SB-3 (0-2)	T	Solid	3546	
460-108494-6	SB-3 (9-11)	T	Solid	3546	
Prep Batch: 460-349376					
LCS 460-349376/2-A	Lab Control Sample	T	Solid	3546	
MB 460-349376/1-A	Method Blank	T	Solid	3546	
460-108487-A-1-B MS	Matrix Spike	T	Solid	3546	
460-108487-A-1-C MSD	Matrix Spike Duplicate	T	Solid	3546	
460-108494-1	SB-5 (0-2)	T	Solid	3546	
460-108494-2	SB-5 (16-18)	T	Solid	3546	
460-108494-3	SB-6 (0-2)	T	Solid	3546	
460-108494-4	SB-6 (18-20)	T	Solid	3546	
460-108494-5	SB-3 (0-2)	T	Solid	3546	
460-108494-6	SB-3 (9-11)	T	Solid	3546	
Analysis Batch:460-349398					
LCS 460-349372/2-A	Lab Control Sample	T	Solid	8081B	460-349372
MB 460-349372/1-A	Method Blank	T	Solid	8081B	460-349372
460-108494-1	SB-5 (0-2)	T	Solid	8081B	460-349372
460-108494-1MS	Matrix Spike	T	Solid	8081B	460-349372
460-108494-1MSD	Matrix Spike Duplicate	T	Solid	8081B	460-349372
460-108494-2	SB-5 (16-18)	T	Solid	8081B	460-349372
460-108494-3	SB-6 (0-2)	T	Solid	8081B	460-349372
460-108494-4	SB-6 (18-20)	T	Solid	8081B	460-349372
460-108494-5	SB-3 (0-2)	T	Solid	8081B	460-349372
460-108494-6	SB-3 (9-11)	T	Solid	8081B	460-349372

Client: FPM Group Limited

Job Number: 460-108494-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:460-349697					
LCS 460-349376/2-A	Lab Control Sample	T	Solid	8082A	460-349376
MB 460-349376/1-A	Method Blank	T	Solid	8082A	460-349376
460-108487-A-1-B MS	Matrix Spike	T	Solid	8082A	460-349376
460-108487-A-1-C MSD	Matrix Spike Duplicate	T	Solid	8082A	460-349376
460-108494-1	SB-5 (0-2)	T	Solid	8082A	460-349376
460-108494-2	SB-5 (16-18)	T	Solid	8082A	460-349376
460-108494-3	SB-6 (0-2)	T	Solid	8082A	460-349376
460-108494-4	SB-6 (18-20)	T	Solid	8082A	460-349376
460-108494-5	SB-3 (0-2)	T	Solid	8082A	460-349376
460-108494-6	SB-3 (9-11)	T	Solid	8082A	460-349376

Report Basis
T = Total

Client: FPM Group Limited

Job Number: 460-108494-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-349351					
LCSSRM 460-349351/2-A ^4	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-349351/1-A ^2	Method Blank	T	Solid	3050B	
460-108494-2	SB-5 (16-18)	T	Solid	3050B	
460-108494-2DU	Duplicate	T	Solid	3050B	
460-108494-2MS	Matrix Spike	T	Solid	3050B	
Prep Batch: 460-349352					
LCSSRM 460-349352/2-A ^4	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-349352/1-A ^2	Method Blank	T	Solid	3050B	
460-108486-A-17-C DU	Duplicate	T	Solid	3050B	
460-108486-A-17-D MS	Matrix Spike	T	Solid	3050B	
460-108494-1	SB-5 (0-2)	T	Solid	3050B	
460-108494-3	SB-6 (0-2)	T	Solid	3050B	
460-108494-4	SB-6 (18-20)	T	Solid	3050B	
460-108494-5	SB-3 (0-2)	T	Solid	3050B	
460-108494-6	SB-3 (9-11)	T	Solid	3050B	
Prep Batch: 460-349380					
LCSSRM 460-349380/2-A ^20	LCS-Certified Reference Material	T	Solid	7471B	
MB 460-349380/1-A	Method Blank	T	Solid	7471B	
460-108486-B-1-D DU	Duplicate	T	Solid	7471B	
460-108486-B-1-E MS	Matrix Spike	T	Solid	7471B	
460-108494-1	SB-5 (0-2)	T	Solid	7471B	
460-108494-2	SB-5 (16-18)	T	Solid	7471B	
460-108494-3	SB-6 (0-2)	T	Solid	7471B	
460-108494-4	SB-6 (18-20)	T	Solid	7471B	
460-108494-5	SB-3 (0-2)	T	Solid	7471B	
460-108494-6	SB-3 (9-11)	T	Solid	7471B	
Analysis Batch:460-349444					
LCSSRM 460-349380/2-A ^20	LCS-Certified Reference Material	T	Solid	7471B	460-349380
MB 460-349380/1-A	Method Blank	T	Solid	7471B	460-349380
460-108486-B-1-D DU	Duplicate	T	Solid	7471B	460-349380
460-108486-B-1-E MS	Matrix Spike	T	Solid	7471B	460-349380
460-108494-1	SB-5 (0-2)	T	Solid	7471B	460-349380
460-108494-2	SB-5 (16-18)	T	Solid	7471B	460-349380
460-108494-3	SB-6 (0-2)	T	Solid	7471B	460-349380
460-108494-4	SB-6 (18-20)	T	Solid	7471B	460-349380
460-108494-5	SB-3 (0-2)	T	Solid	7471B	460-349380
460-108494-6	SB-3 (9-11)	T	Solid	7471B	460-349380

Client: FPM Group Limited

Job Number: 460-108494-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-349631					
LCSSRM 460-349351/2-A ^4	LCS-Certified Reference Material	T	Solid	6010C	460-349351
MB 460-349351/1-A ^2	Method Blank	T	Solid	6010C	460-349351
LCSSRM 460-349352/2-A ^4	LCS-Certified Reference Material	T	Solid	6010C	460-349352
MB 460-349352/1-A ^2	Method Blank	T	Solid	6010C	460-349352
460-108486-A-17-C DU	Duplicate	T	Solid	6010C	460-349352
460-108486-A-17-D MS	Matrix Spike	T	Solid	6010C	460-349352
460-108494-1	SB-5 (0-2)	T	Solid	6010C	460-349352
460-108494-2	SB-5 (16-18)	T	Solid	6010C	460-349351
460-108494-2DU	Duplicate	T	Solid	6010C	460-349351
460-108494-2MS	Matrix Spike	T	Solid	6010C	460-349351
460-108494-3	SB-6 (0-2)	T	Solid	6010C	460-349352
460-108494-4	SB-6 (18-20)	T	Solid	6010C	460-349352
460-108494-5	SB-3 (0-2)	T	Solid	6010C	460-349352
460-108494-6	SB-3 (9-11)	T	Solid	6010C	460-349352

Report Basis
T = Total

General Chemistry				
Analysis Batch:460-349450				
460-108494-1	SB-5 (0-2)	T	Solid	Moisture
460-108494-2	SB-5 (16-18)	T	Solid	Moisture
460-108494-3	SB-6 (0-2)	T	Solid	Moisture
460-108494-4	SB-6 (18-20)	T	Solid	Moisture
460-108494-4DU	Duplicate	T	Solid	Moisture
Analysis Batch:460-349452				
460-108494-5	SB-3 (0-2)	T	Solid	Moisture
460-108494-6	SB-3 (9-11)	T	Solid	Moisture
460-108498-D-27 DU	Duplicate	T	Solid	Moisture

Report Basis
T = Total

Client: FPM Group Limited

Job Number: 460-108494-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
MB 460-349940/7		103	105	107	100
MB 460-350091/7		104	102	105	101
LCS 460-349940/3		103	105	106	102
LCS 460-350091/3		103	103	105	103
LCSD 460-349940/4		103	105	107	103
LCSD 460-350091/4		99	97	101	98

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	78-135
BFB = 4-Bromofluorobenzene	67-126
DBFM = Dibromofluoromethane (Surr)	61-149
TOL = Toluene-d8 (Surr)	73-121

Client: FPM Group Limited

Job Number: 460-108494-1

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
460-108494-1	SB-5 (0-2)	109	102	104	109
460-108494-2	SB-5 (16-18)	108	98	105	108
460-108494-3	SB-6 (0-2)	106	99	105	109
460-108494-4	SB-6 (18-20)	108	101	106	109
460-108494-5	SB-3 (0-2)	107	98	104	107
460-108494-6	SB-3 (9-11)	108	96	104	108

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	78-135
TOL = Toluene-d8 (Surr)	73-121
BFB = 4-Bromofluorobenzene	67-126
DBFM = Dibromofluoromethane (Surr)	61-149

Client: FPM Group Limited

Job Number: 460-108494-1

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
460-108494-7	TB0203	100	99	101	101
MB 460-349486/7		99	97	100	97
LCS 460-349486/3		97	94	99	96
460-108498-A-34 MS		103	97	104	97
460-108498-A-34 MSD		119	110	121	111

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-137
BFB = 4-Bromofluorobenzene	70-131
DBFM = Dibromofluoromethane (Surr)	72-136
TOL = Toluene-d8 (Surr)	74-120

Client: FPM Group Limited

Job Number: 460-108494-1

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
460-108494-1	SB-5 (0-2)	93	74	74	78	74	81
460-108494-2	SB-5 (16-18)	60	82	82	90	83	108
460-108494-3	SB-6 (0-2)	37	75	68	81	75	98
460-108494-4	SB-6 (18-20)	61	84	85*	91	85	106
460-108494-5	SB-3 (0-2)	71	84	84	91	87	113
460-108494-6	SB-3 (9-11)	51	75	73	84	81	102
MB 460-349436/1-A		86	73	82	86	83	89
LCS 460-349436/2-A		100*	93*	97*	99*	98*	107
LCS 460-349436/3-A		103*	86*	95*	99*	98*	105
460-108494-6 MS	SB-3 (9-11) MS	67	80	74	82	80	95
460-108494-6 MSD	SB-3 (9-11) MSD	76	81	76	83	83	99

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	10-95
FBP = 2-Fluorobiphenyl	27-84
2FP = 2-Fluorophenol (Surr)	21-84
NBZ = Nitrobenzene-d5 (Surr)	28-92
PHL = Phenol-d5 (Surr)	22-88
TPH = Terphenyl-d14 (Surr)	16-114

Client: FPM Group Limited

Job Number: 460-108494-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
460-108494-1	SB-5 (0-2)	129		126	
460-108494-2	SB-5 (16-18)	119		119	
460-108494-3	SB-6 (0-2)	139		134	
460-108494-4	SB-6 (18-20)	136			130
460-108494-5	SB-3 (0-2)		136		130
460-108494-6	SB-3 (9-11)		134		131
MB 460-349372/1-A		133			121
LCS 460-349372/2-A		116			109
460-108494-1 MS	SB-5 (0-2) MS		125	154*	
460-108494-1 MSD	SB-5 (0-2) MSD		137		132

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	55-148
TCX = Tetrachloro-m-xylene	55-139

Client: FPM Group Limited

Job Number: 460-108494-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec
460-108494-1	SB-5 (0-2)	115	111
460-108494-2	SB-5 (16-18)	117	102
460-108494-3	SB-6 (0-2)	119	106
460-108494-4	SB-6 (18-20)	112	114
460-108494-5	SB-3 (0-2)	119	121
460-108494-6	SB-3 (9-11)	118	114
MB 460-349376/1-A		117	114
LCS 460-349376/2-A		115	114
460-108487-A-1-B MS		112	113
460-108487-A-1-C MSD		116	114

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	47-150

Client: FPM Group Limited

Job Number: 460-108494-1

Method Blank - Batch: 460-349486

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-349486/7	Analysis Batch:	460-349486	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36269.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/10/2016 0037	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/10/2016 0037				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dioxane	50	U	8.7	50
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.0	U	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0
Tetrachloroethene	1.0	U	0.12	1.0
Toluene	1.0	U	0.25	1.0
trans-1,2-Dichloroethene	1.0	U	0.18	1.0

Client: FPM Group Limited

Job Number: 460-108494-1

Method Blank - Batch: 460-349486

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-349486/7	Analysis Batch:	460-349486	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36269.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/10/2016 0037	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/10/2016 0037				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2-Dichloroethane	1.0	U	0.25	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
Trichloroethene	1.0	U	0.22	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	70 - 137
4-Bromofluorobenzene	97	70 - 131
Dibromofluoromethane (Surr)	100	72 - 136
Toluene-d8 (Surr)	97	74 - 120

Method Blank TICs- Batch: 460-349486

Cas Number	Analyte	RT	Est. Result (ug/	Qual
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-108494-1

Lab Control Sample - Batch: 460-349486

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-349486/3	Analysis Batch:	460-349486	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36265.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/09/2016 2253	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/09/2016 2253				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	19.3	96	76 - 131	
1,1,2,2-Tetrachloroethane	20.0	20.4	102	65 - 128	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	23.9	120	53 - 149	
1,1,2-Trichloroethane	20.0	19.1	96	77 - 122	
1,1-Dichloroethane	20.0	18.9	94	77 - 129	
1,1-Dichloroethene	20.0	19.1	95	67 - 133	
1,2,3-Trichlorobenzene	20.0	24.7	123	64 - 142	
1,2,4-Trichlorobenzene	20.0	22.7	113	66 - 137	
1,2-Dichloropropane	20.0	19.3	97	75 - 129	
1,3-Dichlorobenzene	20.0	20.6	103	80 - 120	
1,4-Dichlorobenzene	20.0	19.9	99	79 - 120	
1,4-Dioxane	400	403	101	65 - 150	
2-Butanone (MEK)	100	94.4	94	56 - 150	
2-Hexanone	100	96.4	96	64 - 150	
4-Methyl-2-pentanone (MIBK)	100	97.6	98	77 - 130	
Acetone	100	91.1	91	19 - 150	
Benzene	20.0	19.0	95	76 - 125	
Bromoform	20.0	17.9	90	65 - 124	
Bromomethane	20.0	14.9	74	10 - 150	
Carbon disulfide	20.0	19.8	99	69 - 131	
Carbon tetrachloride	20.0	20.2	101	71 - 138	
Chlorobenzene	20.0	19.9	100	80 - 120	
Chlorobromomethane	20.0	19.7	99	71 - 137	
Chlorodibromomethane	20.0	18.6	93	78 - 120	
Chloroethane	20.0	15.0	75	40 - 150	
Chloroform	20.0	17.8	89	81 - 127	
Chloromethane	20.0	13.8	69	45 - 150	
cis-1,2-Dichloroethene	20.0	18.6	93	82 - 127	
cis-1,3-Dichloropropene	20.0	19.3	96	72 - 125	
Cyclohexane	20.0	21.4	107	51 - 147	
Dichlorobromomethane	20.0	17.9	90	78 - 127	
Dichlorodifluoromethane	20.0	13.6	68	32 - 150	
Ethylbenzene	20.0	20.0	100	80 - 120	
Ethylene Dibromide	20.0	18.3	91	80 - 120	
Isopropylbenzene	20.0	20.5	102	80 - 127	
Methyl acetate	100	96.4	96	63 - 150	
Methyl tert-butyl ether	20.0	19.5	97	78 - 129	
Methylcyclohexane	20.0	22.3	112	52 - 142	
Methylene Chloride	20.0	18.7	94	80 - 126	
m-Xylene & p-Xylene	20.0	19.4	97	80 - 121	
o-Xylene	20.0	19.8	99	80 - 120	

Client: FPM Group Limited

Job Number: 460-108494-1

Lab Control Sample - Batch: 460-349486

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-349486/3	Analysis Batch:	460-349486	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36265.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/09/2016 2253	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/09/2016 2253				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Styrene	20.0	19.8	99	75 - 124	
Tetrachloroethene	20.0	19.8	99	71 - 132	
Toluene	20.0	19.0	95	80 - 120	
trans-1,2-Dichloroethene	20.0	18.8	94	78 - 127	
1,2-Dichloroethane	20.0	18.7	93	73 - 131	
trans-1,3-Dichloropropene	20.0	19.1	96	69 - 125	
1,2-Dichlorobenzene	20.0	19.9	100	80 - 121	
Trichloroethene	20.0	19.7	98	77 - 127	
1,2-Dibromo-3-Chloropropane	20.0	23.3	116	55 - 133	
Trichlorofluoromethane	20.0	16.1	81	50 - 150	
Vinyl chloride	20.0	13.8	69	53 - 142	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	70 - 137
4-Bromofluorobenzene	94	70 - 131
Dibromofluoromethane (Surr)	99	72 - 136
Toluene-d8 (Surr)	96	74 - 120

Client: FPM Group Limited

Job Number: 460-108494-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-349486

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	460-108498-A-34 MS	Analysis Batch:	460-349486	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36274.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/10/2016 0248			Final Weight/Volume:	5 mL
Prep Date:	02/10/2016 0248				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	460-108498-A-34 MSD	Analysis Batch:	460-349486	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36275.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/10/2016 0314			Final Weight/Volume:	5 mL
Prep Date:	02/10/2016 0314				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1-Trichloroethane	105	120	76 - 131	14	30		
1,1,2,2-Tetrachloroethane	97	115	65 - 128	17	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	126	147	53 - 149	15	30		
1,1,2-Trichloroethane	97	108	77 - 122	10	30		
1,1-Dichloroethane	97	113	77 - 129	15	30		
1,1-Dichloroethene	98	116	67 - 133	17	30		
1,2,3-Trichlorobenzene	97	137	64 - 142	34	30		*
1,2,4-Trichlorobenzene	97	131	66 - 137	30	30		
1,2-Dichloropropane	94	115	75 - 129	20	30		
1,3-Dichlorobenzene	100	115	80 - 120	14	30		
1,4-Dichlorobenzene	95	115	79 - 120	20	30		
1,4-Dioxane	62	107	65 - 150	53	30	*	*
2-Butanone (MEK)	99	110	56 - 150	11	30		
2-Hexanone	99	117	64 - 150	17	30		
4-Methyl-2-pentanone (MIBK)	102	114	77 - 130	11	30		
Acetone	90	105	19 - 150	15	30		
Benzene	97	114	76 - 125	16	30		
Bromoform	89	110	65 - 124	22	30		
Bromomethane	81	96	10 - 150	16	30		
Carbon disulfide	100	117	69 - 131	17	30		
Carbon tetrachloride	109	127	71 - 138	16	30		
Chlorobenzene	100	112	80 - 120	12	30		
Chlorobromomethane	105	121	71 - 137	14	30		
Chlorodibromomethane	98	109	78 - 120	10	30		
Chloroethane	79	90	40 - 150	14	30		
Chloroform	94	109	81 - 127	15	30		
Chloromethane	72	84	45 - 150	16	30		
cis-1,2-Dichloroethene	97	109	82 - 127	12	30		
cis-1,3-Dichloropropene	95	111	72 - 125	16	30		
Cyclohexane	107	127	51 - 147	17	30		
Dichlorobromomethane	96	109	78 - 127	13	30		
Dichlorodifluoromethane	74	88	32 - 150	17	30		

Client: FPM Group Limited

Job Number: 460-108494-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-349486

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	460-108498-A-34 MS	Analysis Batch:	460-349486	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36274.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/10/2016 0248			Final Weight/Volume:	5 mL
Prep Date:	02/10/2016 0248				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	460-108498-A-34 MSD	Analysis Batch:	460-349486	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36275.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/10/2016 0314			Final Weight/Volume:	5 mL
Prep Date:	02/10/2016 0314				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ethylbenzene	99	110	80 - 120	10	30		
Ethylene Dibromide	92	109	80 - 120	17	30		
Isopropylbenzene	101	118	80 - 127	16	30		
Methyl acetate	95	115	63 - 150	19	30		
Methyl tert-butyl ether	98	117	78 - 129	18	30		
Methylcyclohexane	111	136	52 - 142	20	30		
Methylene Chloride	93	109	80 - 126	16	30		
m-Xylene & p-Xylene	95	110	80 - 121	15	30		
o-Xylene	97	110	80 - 120	13	30		
Styrene	98	115	75 - 124	16	30		
Tetrachloroethene	103	121	71 - 132	16	30		
Toluene	95	110	80 - 120	14	30		
trans-1,2-Dichloroethene	97	118	78 - 127	20	30		
1,2-Dichloroethane	98	114	73 - 131	15	30		
trans-1,3-Dichloropropene	96	111	69 - 125	14	30		
1,2-Dichlorobenzene	99	115	80 - 121	15	30		
Trichloroethene	99	118	77 - 127	17	30		
1,2-Dibromo-3-Chloropropane	103	134	55 - 133	26	30		*
Trichlorofluoromethane	86	104	50 - 150	19	30		
Vinyl chloride	73	86	53 - 142	17	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	119	70 - 137
4-Bromofluorobenzene	97	110	70 - 131
Dibromofluoromethane (Surr)	104	121	72 - 136
Toluene-d8 (Surr)	97	111	74 - 120

Client: FPM Group Limited

Job Number: 460-108494-1

Method Blank - Batch: 460-349940

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-349940/7	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K50082.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/12/2016 1414	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.38	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.17	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.44	1.0
1,1,2-Trichloroethane	1.0	U	0.28	1.0
1,1-Dichloroethane	1.0	U	0.34	1.0
1,1-Dichloroethene	1.0	U	0.41	1.0
1,2,3-Trichlorobenzene	1.0	U	0.11	1.0
1,2,4-Trichlorobenzene	1.0	U	0.32	1.0
1,2-Dichloropropane	1.0	U	0.17	1.0
1,3-Dichlorobenzene	1.0	U	0.12	1.0
1,4-Dichlorobenzene	1.0	U	0.13	1.0
1,4-Dioxane	20	U	6.4	20
2-Butanone (MEK)	5.0	U	0.77	5.0
2-Hexanone	5.0	U	0.94	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	2.2	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.20	1.0
Bromoform	1.0	U	0.13	1.0
Bromomethane	1.0	U	0.32	1.0
Carbon disulfide	1.0	U	0.43	1.0
Carbon tetrachloride	1.0	U	0.43	1.0
Chlorobenzene	1.0	U	0.14	1.0
Chlorobromomethane	1.0	U	0.17	1.0
Chlorodibromomethane	1.0	U	0.15	1.0
Chloroethane	1.0	U	0.35	1.0
Chloroform	1.0	U	0.21	1.0
Chloromethane	1.0	U	0.38	1.0
cis-1,2-Dichloroethene	1.0	U	0.22	1.0
cis-1,3-Dichloropropene	1.0	U	0.15	1.0
Cyclohexane	1.0	U	0.46	1.0
Dichlorobromomethane	1.0	U	0.38	1.0
Dichlorodifluoromethane	1.0	U	0.32	1.0
Ethylbenzene	1.0	U	0.18	1.0
Ethylene Dibromide	1.0	U	0.12	1.0
Isopropylbenzene	1.0	U	0.17	1.0
Methyl acetate	5.0	U	0.90	5.0
Methyl tert-butyl ether	1.0	U	0.17	1.0
Methylcyclohexane	1.0	U	0.50	1.0
Methylene Chloride	1.0	U	0.32	1.0
m-Xylene & p-Xylene	1.0	U	0.11	1.0
o-Xylene	1.0	U	0.16	1.0
Styrene	1.0	U	0.15	1.0
Tetrachloroethene	1.0	U	0.28	1.0
Toluene	1.0	U	0.19	1.0
trans-1,2-Dichloroethene	1.0	U	0.39	1.0

Client: FPM Group Limited

Job Number: 460-108494-1

Method Blank - Batch: 460-349940

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-349940/7	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K50082.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/12/2016 1414	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2-Dichloroethane	1.0	U	0.11	1.0
trans-1,3-Dichloropropene	1.0	U	0.10	1.0
1,2-Dichlorobenzene	1.0	U	0.14	1.0
Trichloroethene	1.0	U	0.26	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.47	1.0
Trichlorofluoromethane	1.0	U	0.34	1.0
Vinyl chloride	1.0	U	0.39	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	78 - 135
4-Bromofluorobenzene	105	67 - 126
Dibromofluoromethane (Surr)	107	61 - 149
Toluene-d8 (Surr)	100	73 - 121

Method Blank TICs- Batch: 460-349940

Cas Number	Analyte	RT	Est. Result (ug/	Qual
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-108494-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-349940

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-349940/3	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K50078.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/12/2016 1212	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-349940/4	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K50079.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/12/2016 1239	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
1,1,1-Trichloroethane	91	95	78 - 139	5	30		
1,1,2,2-Tetrachloroethane	90	90	64 - 128	1	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	101	104	83 - 136	2	30		
1,1,2-Trichloroethane	89	91	76 - 118	2	30		
1,1-Dichloroethane	92	95	83 - 131	3	30		
1,1-Dichloroethene	95	98	80 - 120	3	30		
1,2,3-Trichlorobenzene	86	93	77 - 116	8	30		
1,2,4-Trichlorobenzene	88	94	77 - 116	7	30		
1,2-Dichloropropane	88	92	77 - 124	5	30		
1,3-Dichlorobenzene	88	93	80 - 120	6	30		
1,4-Dichlorobenzene	87	92	80 - 120	6	30		
1,4-Dioxane	95	86	80 - 128	10	30		
2-Butanone (MEK)	102	104	58 - 150	2	30		
2-Hexanone	92	92	75 - 137	1	30		
4-Methyl-2-pentanone (MIBK)	93	95	81 - 121	2	30		
Acetone	102	94	66 - 150	8	30		
Benzene	89	92	78 - 122	4	30		
Bromoform	77	78	47 - 150	1	30		
Bromomethane	101	109	74 - 125	8	30		
Carbon disulfide	94	98	82 - 127	4	30		
Carbon tetrachloride	88	92	62 - 150	4	30		
Chlorobenzene	88	92	80 - 120	5	30		
Chlorobromomethane	92	95	73 - 132	3	30		
Chlorodibromomethane	84	86	68 - 132	1	30		
Chloroethane	105	107	63 - 143	2	30		
Chloroform	91	94	80 - 120	3	30		
Chloromethane	83	85	73 - 130	3	30		
cis-1,2-Dichloroethene	94	96	80 - 120	1	30		
cis-1,3-Dichloropropene	84	87	75 - 118	4	30		
Cyclohexane	91	97	77 - 137	7	30		
Dichlorobromomethane	84	89	76 - 130	5	30		
Dichlorodifluoromethane	84	84	73 - 122	0	30		
Ethylbenzene	90	93	80 - 120	4	30		
Ethylene Dibromide	88	89	80 - 120	1	30		
Isopropylbenzene	91	96	80 - 120	6	30		

Client: FPM Group Limited

Job Number: 460-108494-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-349940

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-349940/3	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K50078.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/12/2016 1212	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-349940/4	Analysis Batch:	460-349940	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K50079.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/12/2016 1239	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
Methyl acetate	95	93	66 - 150	1	30		
Methyl tert-butyl ether	91	94	80 - 120	3	30		
Methylcyclohexane	94	100	84 - 127	7	30		
Methylene Chloride	91	94	80 - 120	3	30		
m-Xylene & p-Xylene	88	92	80 - 120	4	30		
o-Xylene	89	93	80 - 120	4	30		
Styrene	88	90	80 - 120	3	30		
Tetrachloroethene	92	97	68 - 130	6	30		
Toluene	88	91	80 - 120	4	30		
trans-1,2-Dichloroethene	95	97	86 - 126	2	30		
1,2-Dichloroethane	92	94	75 - 132	2	30		
trans-1,3-Dichloropropene	82	84	73 - 118	3	30		
1,2-Dichlorobenzene	88	94	80 - 120	6	30		
Trichloroethene	92	95	80 - 120	3	30		
1,2-Dibromo-3-Chloropropane	84	83	63 - 131	1	30		
Trichlorofluoromethane	110	111	73 - 134	1	30		
Vinyl chloride	109	111	77 - 130	2	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	103	78 - 135
4-Bromofluorobenzene	105	105	67 - 126
Dibromofluoromethane (Surr)	106	107	61 - 149
Toluene-d8 (Surr)	102	103	73 - 121

Client: FPM Group Limited

Job Number: 460-108494-1

Method Blank - Batch: 460-350091

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-350091/7	Analysis Batch:	460-350091	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K50132.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/13/2016 1237	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.38	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.17	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.44	1.0
1,1,2-Trichloroethane	1.0	U	0.28	1.0
1,1-Dichloroethane	1.0	U	0.34	1.0
1,1-Dichloroethene	1.0	U	0.41	1.0
1,2,3-Trichlorobenzene	1.0	U	0.11	1.0
1,2,4-Trichlorobenzene	1.0	U	0.32	1.0
1,2-Dichloropropane	1.0	U	0.17	1.0
1,3-Dichlorobenzene	1.0	U	0.12	1.0
1,4-Dichlorobenzene	1.0	U	0.13	1.0
1,4-Dioxane	20	U	6.4	20
2-Butanone (MEK)	5.0	U	0.77	5.0
2-Hexanone	5.0	U	0.94	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	2.2	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.20	1.0
Bromoform	1.0	U	0.13	1.0
Bromomethane	1.0	U	0.32	1.0
Carbon disulfide	1.0	U	0.43	1.0
Carbon tetrachloride	1.0	U	0.43	1.0
Chlorobenzene	1.0	U	0.14	1.0
Chlorobromomethane	1.0	U	0.17	1.0
Chlorodibromomethane	1.0	U	0.15	1.0
Chloroethane	1.0	U	0.35	1.0
Chloroform	1.0	U	0.21	1.0
Chloromethane	1.0	U	0.38	1.0
cis-1,2-Dichloroethene	1.0	U	0.22	1.0
cis-1,3-Dichloropropene	1.0	U	0.15	1.0
Cyclohexane	1.0	U	0.46	1.0
Dichlorobromomethane	1.0	U	0.38	1.0
Dichlorodifluoromethane	1.0	U	0.32	1.0
Ethylbenzene	1.0	U	0.18	1.0
Ethylene Dibromide	1.0	U	0.12	1.0
Isopropylbenzene	1.0	U	0.17	1.0
Methyl acetate	5.0	U	0.90	5.0
Methyl tert-butyl ether	1.0	U	0.17	1.0
Methylcyclohexane	1.0	U	0.50	1.0
Methylene Chloride	1.0	U	0.32	1.0
m-Xylene & p-Xylene	1.0	U	0.11	1.0
o-Xylene	1.0	U	0.16	1.0
Styrene	1.0	U	0.15	1.0
Tetrachloroethene	1.0	U	0.28	1.0
Toluene	1.0	U	0.19	1.0
trans-1,2-Dichloroethene	1.0	U	0.39	1.0

Client: FPM Group Limited

Job Number: 460-108494-1

Method Blank - Batch: 460-350091

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-350091/7	Analysis Batch:	460-350091	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K50132.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/13/2016 1237	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2-Dichloroethane	1.0	U	0.11	1.0
trans-1,3-Dichloropropene	1.0	U	0.10	1.0
1,2-Dichlorobenzene	1.0	U	0.14	1.0
Trichloroethene	1.0	U	0.26	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.47	1.0
Trichlorofluoromethane	1.0	U	0.34	1.0
Vinyl chloride	1.0	U	0.39	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	78 - 135
4-Bromofluorobenzene	102	67 - 126
Dibromofluoromethane (Surr)	105	61 - 149
Toluene-d8 (Surr)	101	73 - 121

Method Blank TICs- Batch: 460-350091

Cas Number	Analyte	RT	Est. Result (ug/	Qual
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-108494-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-350091

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-350091/3	Analysis Batch:	460-350091	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K50128.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/13/2016 1034	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-350091/4	Analysis Batch:	460-350091	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K50129.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/13/2016 1100	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
1,1,1-Trichloroethane	97	94	78 - 139	4	30		
1,1,2,2-Tetrachloroethane	88	91	64 - 128	4	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	111	104	83 - 136	6	30		
1,1,2-Trichloroethane	89	91	76 - 118	2	30		
1,1-Dichloroethane	101	99	83 - 131	2	30		
1,1-Dichloroethene	104	101	80 - 120	3	30		
1,2,3-Trichlorobenzene	90	91	77 - 116	2	30		
1,2,4-Trichlorobenzene	90	92	77 - 116	2	30		
1,2-Dichloropropane	97	95	77 - 124	2	30		
1,3-Dichlorobenzene	91	90	80 - 120	2	30		
1,4-Dichlorobenzene	91	90	80 - 120	2	30		
1,4-Dioxane	80	78	80 - 128	2	30		*
2-Butanone (MEK)	101	96	58 - 150	5	30		
2-Hexanone	97	92	75 - 137	6	30		
4-Methyl-2-pentanone (MIBK)	97	93	81 - 121	4	30		
Acetone	105	89	66 - 150	17	30		
Benzene	95	95	78 - 122	0	30		
Bromoform	74	73	47 - 150	1	30		
Bromomethane	112	109	74 - 125	2	30		
Carbon disulfide	106	101	82 - 127	4	30		
Carbon tetrachloride	92	88	62 - 150	4	30		
Chlorobenzene	92	91	80 - 120	1	30		
Chlorobromomethane	91	91	73 - 132	0	30		
Chlorodibromomethane	84	82	68 - 132	3	30		
Chloroethane	117	114	63 - 143	3	30		
Chloroform	95	94	80 - 120	1	30		
Chloromethane	96	92	73 - 130	5	30		
cis-1,2-Dichloroethene	96	96	80 - 120	1	30		
cis-1,3-Dichloropropene	92	88	75 - 118	4	30		
Cyclohexane	108	102	77 - 137	6	30		
Dichlorobromomethane	88	86	76 - 130	2	30		
Dichlorodifluoromethane	89	90	73 - 122	1	30		
Ethylbenzene	93	92	80 - 120	2	30		
Ethylene Dibromide	90	89	80 - 120	2	30		
Isopropylbenzene	95	94	80 - 120	0	30		

Client: FPM Group Limited

Job Number: 460-108494-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-350091

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-350091/3	Analysis Batch:	460-350091	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K50128.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/13/2016 1034	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-350091/4	Analysis Batch:	460-350091	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K50129.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/13/2016 1100	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
Methyl acetate	93	97	66 - 150	3	30		
Methyl tert-butyl ether	99	97	80 - 120	2	30		
Methylcyclohexane	106	102	84 - 127	4	30		
Methylene Chloride	99	98	80 - 120	1	30		
m-Xylene & p-Xylene	91	89	80 - 120	2	30		
o-Xylene	90	91	80 - 120	1	30		
Styrene	92	90	80 - 120	2	30		
Tetrachloroethene	94	91	68 - 130	3	30		
Toluene	93	91	80 - 120	2	30		
trans-1,2-Dichloroethene	103	99	86 - 126	3	30		
1,2-Dichloroethane	94	96	75 - 132	1	30		
trans-1,3-Dichloropropene	88	86	73 - 118	2	30		
1,2-Dichlorobenzene	91	90	80 - 120	1	30		
Trichloroethene	98	93	80 - 120	5	30		
1,2-Dibromo-3-Chloropropane	81	83	63 - 131	3	30		
Trichlorofluoromethane	116	115	73 - 134	1	30		
Vinyl chloride	123	120	77 - 130	2	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	99	78 - 135
4-Bromofluorobenzene	103	97	67 - 126
Dibromofluoromethane (Surr)	105	101	61 - 149
Toluene-d8 (Surr)	103	98	73 - 121

Client: FPM Group Limited

Job Number: 460-108494-1

Method Blank - Batch: 460-349436

Method: 8270D
Preparation: 3546

Lab Sample ID:	MB 460-349436/1-A	Analysis Batch:	460-350458	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-349436	Lab File ID:	L130426.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/16/2016 0952	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	330	U	28	330
1,2,4,5-Tetrachlorobenzene	330	U	25	330
2,2'-oxybis[1-chloropropane]	330	U	14	330
2,3,4,6-Tetrachlorophenol	330	U	31	330
2,4,5-Trichlorophenol	330	U	33	330
2,4,6-Trichlorophenol	130	U	9.4	130
2,4-Dichlorophenol	130	U	7.8	130
2,4-Dimethylphenol	330	U	73	330
2,4-Dinitrophenol	270	U	250	270
2,4-Dinitrotoluene	67	U	13	67
2,6-Dinitrotoluene	67	U	18	67
2-Chloronaphthalene	330	U	7.5	330
2-Chlorophenol	330	U	8.4	330
2-Methylnaphthalene	330	U	7.3	330
2-Methylphenol	330	U	14	330
2-Nitroaniline	330	U	11	330
2-Nitrophenol	330	U	11	330
3,3'-Dichlorobenzidine	130	U	37	130
3-Nitroaniline	330	U	9.8	330
4,6-Dinitro-2-methylphenol	270	U	88	270
4-Bromophenyl phenyl ether	330	U	10	330
4-Chloro-3-methylphenol	330	U	14	330
4-Chloroaniline	330	U	8.5	330
4-Chlorophenyl phenyl ether	330	U	9.9	330
4-Methylphenol	330	U	9.0	330
4-Nitroaniline	330	U	13	330
4-Nitrophenol	670	U	160	670
Acenaphthene	330	U	8.0	330
Acenaphthylene	330	U	8.5	330
Acetophenone	330	U	7.2	330
Anthracene	330	U	31	330
Atrazine	130	U	15	130
Benzaldehyde	330	U	25	330
Benzo[a]anthracene	33	U	28	33
Benzo[a]pyrene	33	U	10	33
Benzo[b]fluoranthene	33	U	13	33
Benzo[g,h,i]perylene	330	U	19	330
Benzo[k]fluoranthene	33	U	14	33
Bis(2-chloroethoxy)methane	330	U	10	330
Bis(2-chloroethyl)ether	33	U	7.8	33
Bis(2-ethylhexyl) phthalate	330	U	13	330
Butyl benzyl phthalate	330	U	10	330
Caprolactam	330	U	24	330
Carbazole	330	U	8.2	330
Chrysene	330	U	9.0	330

Client: FPM Group Limited

Job Number: 460-108494-1

Method Blank - Batch: 460-349436

Method: 8270D
Preparation: 3546

Lab Sample ID:	MB 460-349436/1-A	Analysis Batch:	460-350458	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-349436	Lab File ID:	L130426.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/16/2016 0952	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	33	U	17	33
Dibenzofuran	330	U	10	330
Diethyl phthalate	330	U	9.4	330
Dimethyl phthalate	330	U	9.6	330
Di-n-butyl phthalate	330	U	9.9	330
Di-n-octyl phthalate	330	U	17	330
Fluoranthene	330	U	9.8	330
Fluorene	330	U	7.2	330
Hexachlorobenzene	33	U	13	33
Hexachlorobutadiene	67	U	9.3	67
Hexachlorocyclopentadiene	330	U	21	330
Hexachloroethane	33	U	12	33
Indeno[1,2,3-cd]pyrene	33	U	22	33
Isophorone	130	U	7.1	130
Naphthalene	330	U	8.4	330
Nitrobenzene	33	U	10	33
N-Nitrosodi-n-propylamine	33	U	11	33
N-Nitrosodiphenylamine	330	U	30	330
Pentachlorophenol	270	U	40	270
Phenanthrene	330	U	8.8	330
Phenol	330	U	11	330
Pyrene	330	U	15	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	86	10 - 95
2-Fluorobiphenyl	73	27 - 84
2-Fluorophenol (Surr)	82	21 - 84
Nitrobenzene-d5 (Surr)	86	28 - 92
Phenol-d5 (Surr)	83	22 - 88
Terphenyl-d14 (Surr)	89	16 - 114

Method Blank TICs- Batch: 460-349436

Cas Number	Analyte	RT	Est. Result (ug/	Qual
	Aldol condensation product	3.05	4160	A J

Client: FPM Group Limited

Job Number: 460-108494-1

Lab Control Sample - Batch: 460-349436

Method: 8270D
Preparation: 3546

Lab Sample ID:	LCS 460-349436/2-A	Analysis Batch:	460-350384	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-349436	Lab File ID:	L130390.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/15/2016 1644	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	3330	3090	93	64 - 103	
1,2,4,5-Tetrachlorobenzene	3330	3030	91	62 - 109	
2,2'-oxybis[1-chloropropane]	3330	3070	92	42 - 119	
2,3,4,6-Tetrachlorophenol	3330	3280	98	57 - 113	
2,4,5-Trichlorophenol	3330	3010	90	59 - 105	
2,4,6-Trichlorophenol	3330	3260	98	61 - 107	
2,4-Dichlorophenol	3330	3240	97	59 - 99	
2,4-Dimethylphenol	3330	3210	96	60 - 98	
2,4-Dinitrophenol	6670	6600	99	26 - 137	
2,4-Dinitrotoluene	3330	3410	102	61 - 118	
2,6-Dinitrotoluene	3330	3280	98	63 - 112	
2-Chloronaphthalene	3330	3030	91	63 - 102	
2-Chlorophenol	3330	3110	93	58 - 95	
2-Methylnaphthalene	3330	3200	96	64 - 102	
2-Methylphenol	3330	3160	95	56 - 99	
2-Nitroaniline	3330	3220	97	46 - 113	
2-Nitrophenol	3330	3280	98	63 - 103	
3,3'-Dichlorobenzidine	3330	1870	56	18 - 92	
3-Nitroaniline	3330	2260	68	23 - 89	
4,6-Dinitro-2-methylphenol	6670	7270	109	51 - 124	
4-Bromophenyl phenyl ether	3330	3510	105	65 - 114	
4-Chloro-3-methylphenol	3330	3300	99	58 - 108	
4-Chloroaniline	3330	1970	59	10 - 82	
4-Chlorophenyl phenyl ether	3330	3080	93	63 - 107	
4-Methylphenol	3330	3120	94	53 - 103	
4-Nitroaniline	3330	3030	91	44 - 109	
4-Nitrophenol	6670	6500	98	45 - 125	
Acenaphthene	3330	3230	97	59 - 102	
Acenaphthylene	3330	3130	94	63 - 102	
Acetophenone	3330	2860	86	56 - 107	
Anthracene	3330	3430	103	66 - 105	
Benzo[a]anthracene	3330	3450	103	65 - 106	
Benzo[a]pyrene	3330	3680	110	68 - 111	
Benzo[b]fluoranthene	3330	3720	112	67 - 116	
Benzo[g,h,i]perylene	3330	3410	102	49 - 124	
Benzo[k]fluoranthene	3330	3770	113	65 - 114	
Bis(2-chloroethoxy)methane	3330	3320	100	61 - 102	
Bis(2-chloroethyl)ether	3330	3130	94	58 - 102	
Bis(2-ethylhexyl) phthalate	3330	4020	121	60 - 125	
Butyl benzyl phthalate	3330	3800	114	62 - 123	
Carbazole	3330	3460	104	62 - 107	

Client: FPM Group Limited

Job Number: 460-108494-1

Lab Control Sample - Batch: 460-349436

Method: 8270D
Preparation: 3546

Lab Sample ID:	LCS 460-349436/2-A	Analysis Batch:	460-350384	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-349436	Lab File ID:	L130390.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/15/2016 1644	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chrysene	3330	3600	108	64 - 105	*
Dibenz(a,h)anthracene	3330	3720	111	54 - 126	
Dibenzofuran	3330	3070	92	62 - 102	
Diethyl phthalate	3330	3210	96	61 - 110	
Dimethyl phthalate	3330	3140	94	64 - 108	
Di-n-butyl phthalate	3330	3670	110	62 - 114	
Di-n-octyl phthalate	3330	4330	130	52 - 137	
Fluoranthene	3330	3530	106	59 - 109	
Fluorene	3330	3050	92	65 - 108	
Hexachlorobenzene	3330	3470	104	65 - 117	
Hexachlorobutadiene	3330	3120	94	60 - 105	
Hexachlorocyclopentadiene	3330	3120	94	37 - 119	
Hexachloroethane	3330	2990	90	60 - 94	
Indeno[1,2,3-cd]pyrene	3330	4190	126	50 - 134	
Isophorone	3330	3270	98	60 - 102	
Naphthalene	3330	3180	95	64 - 99	
Nitrobenzene	3330	3160	95	59 - 102	
N-Nitrosodi-n-propylamine	3330	3070	92	56 - 112	
N-Nitrosodiphenylamine	6670	6780	102	71 - 119	
Pentachlorophenol	6670	7410	111	47 - 115	
Phenanthrene	3330	3480	104	66 - 105	
Phenol	3330	3090	93	55 - 99	
Pyrene	3330	3400	102	55 - 126	

Surrogate	% Rec		Acceptance Limits
2,4,6-Tribromophenol (Surr)	100	*	10 - 95
2-Fluorobiphenyl	93	*	27 - 84
2-Fluorophenol (Surr)	97	*	21 - 84
Nitrobenzene-d5 (Surr)	99	*	28 - 92
Phenol-d5 (Surr)	98	*	22 - 88
Terphenyl-d14 (Surr)	107		16 - 114

Client: FPM Group Limited

Job Number: 460-108494-1

Lab Control Sample - Batch: 460-349436

Method: 8270D
Preparation: 3546

Lab Sample ID:	LCS 460-349436/3-A	Analysis Batch:	460-350384	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-349436	Lab File ID:	L130391.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/15/2016 1710	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Atrazine	6670	8320	125	41 - 116	E *
Benzaldehyde	6670	6640	100	55 - 116	
Caprolactam	6670	8430	127	44 - 129	E

Surrogate	% Rec		Acceptance Limits
2,4,6-Tribromophenol (Surr)	103	*	10 - 95
2-Fluorobiphenyl	86	*	27 - 84
2-Fluorophenol (Surr)	95	*	21 - 84
Nitrobenzene-d5 (Surr)	99	*	28 - 92
Phenol-d5 (Surr)	98	*	22 - 88
Terphenyl-d14 (Surr)	105		16 - 114

Client: FPM Group Limited

Job Number: 460-108494-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-349436

Method: 8270D
Preparation: 3546

MS Lab Sample ID:	460-108494-6	Analysis Batch:	460-350384	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-349436	Lab File ID:	L130392.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0367 g
Analysis Date:	02/15/2016 1736			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-108494-6	Analysis Batch:	460-350384	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-349436	Lab File ID:	L130393.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0987 g
Analysis Date:	02/15/2016 1802			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	79	84	64 - 103	6	30		
1,2,4,5-Tetrachlorobenzene	78	81	62 - 109	4	30		
2,2'-oxybis[1-chloropropane]	78	83	42 - 119	6	30		
2,3,4,6-Tetrachlorophenol	51	59	57 - 113	14	30	*	
2,4,5-Trichlorophenol	56	64	59 - 105	13	30	*	
2,4,6-Trichlorophenol	69	74	61 - 107	8	30		
2,4-Dichlorophenol	73	80	59 - 99	10	30		
2,4-Dimethylphenol	80	88	60 - 98	9	30		
2,4-Dinitrophenol	7	9	26 - 137	28	30	*	*
2,4-Dinitrotoluene	85	99	61 - 118	14	30		
2,6-Dinitrotoluene	85	95	63 - 112	11	30		
2-Chloronaphthalene	79	83	63 - 102	5	30		
2-Chlorophenol	77	83	58 - 95	6	30		
2-Methylnaphthalene	85	91	64 - 102	6	30		
2-Methylphenol	81	88	56 - 99	8	30		
2-Nitroaniline	82	91	46 - 113	10	30		
2-Nitrophenol	62	67	63 - 103	9	30	*	
3,3'-Dichlorobenzidine	61	77	18 - 92	22	30		
3-Nitroaniline	71	84	23 - 89	16	30		
4,6-Dinitro-2-methylphenol	20	24	51 - 124	17	30	*	*
4-Bromophenyl phenyl ether	91	99	65 - 114	8	30		
4-Chloro-3-methylphenol	83	94	58 - 108	12	30		
4-Chloroaniline	58	68	10 - 82	15	30		
4-Chlorophenyl phenyl ether	81	89	63 - 107	9	30		
4-Methylphenol	81	89	53 - 103	9	30		
4-Nitroaniline	69	84	44 - 109	20	30		
4-Nitrophenol	61	74	45 - 125	19	30		
Acenaphthene	76	82	59 - 102	7	30		
Acenaphthylene	81	88	63 - 102	8	30		
Acetophenone	80	86	56 - 107	7	30		
Anthracene	89	97	66 - 105	8	30		
Atrazine	99	107	41 - 116	8	30		

Client: FPM Group Limited

Job Number: 460-108494-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-349436

Method: 8270D
Preparation: 3546

MS Lab Sample ID:	460-108494-6	Analysis Batch:	460-350384	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-349436	Lab File ID:	L130392.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0367 g
Analysis Date:	02/15/2016 1736			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-108494-6	Analysis Batch:	460-350384	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-349436	Lab File ID:	L130393.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0987 g
Analysis Date:	02/15/2016 1802			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzaldehyde	71	72	55 - 116	2	30		
Benzo[a]anthracene	88	96	65 - 106	8	30		
Benzo[a]pyrene	94	103	68 - 111	9	30		
Benzo[b]fluoranthene	97	103	67 - 116	6	30		
Benzo[g,h,i]perylene	87	94	49 - 124	7	30		
Benzo[k]fluoranthene	95	105	65 - 114	10	30		
Bis(2-chloroethoxy)methane	85	90	61 - 102	6	30		
Bis(2-chloroethyl)ether	80	84	58 - 102	4	30		
Bis(2-ethylhexyl) phthalate	99	111	60 - 125	11	30		
Butyl benzyl phthalate	96	106	62 - 123	10	30		
Caprolactam	58	66	44 - 129	13	30		
Carbazole	84	93	62 - 107	10	30		
Chrysene	93	103	64 - 105	10	30		
Dibenz(a,h)anthracene	95	105	54 - 126	10	30		
Dibenzofuran	80	88	62 - 102	9	30		
Diethyl phthalate	82	94	61 - 110	13	30		
Dimethyl phthalate	82	91	64 - 108	11	30		
Di-n-butyl phthalate	91	102	62 - 114	11	30		
Di-n-octyl phthalate	104	118	52 - 137	11	30		
Fluoranthene	87	98	59 - 109	11	30		
Fluorene	80	88	65 - 108	10	30		
Hexachlorobenzene	90	97	65 - 117	7	30		
Hexachlorobutadiene	80	84	60 - 105	4	30		
Hexachlorocyclopentadiene	79	81	37 - 119	2	30		
Hexachloroethane	76	81	60 - 94	5	30		
Indeno[1,2,3-cd]pyrene	91	103	50 - 134	12	30		
Isophorone	86	92	60 - 102	7	30		
Naphthalene	83	88	64 - 99	5	30		
Nitrobenzene	77	82	59 - 102	5	30		
N-Nitrosodi-n-propylamine	82	88	56 - 112	7	30		
N-Nitrosodiphenylamine	89	94	71 - 119	5	30		
Pentachlorophenol	32	37	47 - 115	14	30	*	*

Client: FPM Group Limited

Job Number: 460-108494-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-349436

Method: 8270D
Preparation: 3546

MS Lab Sample ID:	460-108494-6	Analysis Batch:	460-350384	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-349436	Lab File ID:	L130392.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0367 g
Analysis Date:	02/15/2016 1736			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-108494-6	Analysis Batch:	460-350384	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-349436	Lab File ID:	L130393.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0987 g
Analysis Date:	02/15/2016 1802			Final Weight/Volume:	1 mL
Prep Date:	02/09/2016 1300			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenanthrene	91	99	66 - 105	8	30		
Phenol	77	84	55 - 99	9	30		
Pyrene	93	99	55 - 126	6	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	67	76	10 - 95
2-Fluorobiphenyl	80	81	27 - 84
2-Fluorophenol (Surr)	74	76	21 - 84
Nitrobenzene-d5 (Surr)	82	83	28 - 92
Phenol-d5 (Surr)	80	83	22 - 88
Terphenyl-d14 (Surr)	95	99	16 - 114

Client: FPM Group Limited

Job Number: 460-108494-1

Method Blank - Batch: 460-349372

Method: 8081B
Preparation: 3546

Lab Sample ID:	MB 460-349372/1-A	Analysis Batch:	460-349398	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-349372	Lab File ID:	P4018703.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/09/2016 1059	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/09/2016 0347			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	6.7	U	0.88	6.7
4,4'-DDE	6.7	U	0.97	6.7
4,4'-DDT	6.7	U	0.69	6.7
Aldrin	6.7	U	0.81	6.7
alpha-BHC	2.0	U	0.61	2.0
beta-BHC	2.0	U	0.65	2.0
Chlordane (technical)	67	U	30	67
delta-BHC	2.0	U	0.73	2.0
Dieldrin	2.0	U	0.87	2.0
Endosulfan I	6.7	U	0.93	6.7
Endosulfan II	6.7	U	1.1	6.7
Endosulfan sulfate	6.7	U	0.78	6.7
Endrin	6.7	U	0.85	6.7
Endrin aldehyde	6.7	U	0.83	6.7
Endrin ketone	6.7	U	0.93	6.7
gamma-BHC (Lindane)	2.0	U	0.60	2.0
Heptachlor	6.7	U	0.86	6.7
Heptachlor epoxide	6.7	U	1.3	6.7
Methoxychlor	6.7	U	1.4	6.7
Toxaphene	67	U	20	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	133	55 - 148
Tetrachloro-m-xylene	121	55 - 139

Client: FPM Group Limited

Job Number: 460-108494-1

Lab Control Sample - Batch: 460-349372

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-349372/2-A	Analysis Batch:	460-349398	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-349372	Lab File ID:	P4018704.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/09/2016 1112	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/09/2016 0347			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	133	144	108	61 - 140	
4,4'-DDE	133	139	104	61 - 135	
4,4'-DDT	133	141	106	59 - 133	
Aldrin	133	146	110	61 - 133	
alpha-BHC	133	148	111	61 - 137	
beta-BHC	133	145	108	59 - 136	
delta-BHC	133	149	111	60 - 139	
Dieldrin	133	144	108	61 - 137	
Endosulfan I	133	141	106	60 - 135	
Endosulfan II	133	140	105	61 - 130	
Endosulfan sulfate	133	138	104	60 - 129	
Endrin	133	140	105	59 - 133	
Endrin aldehyde	133	142	107	57 - 131	
Endrin ketone	133	148	111	57 - 138	
gamma-BHC (Lindane)	133	144	108	61 - 138	
Heptachlor	133	144	108	61 - 135	
Heptachlor epoxide	133	142	106	61 - 129	
Methoxychlor	133	133	100	60 - 129	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	116	55 - 148
Tetrachloro-m-xylene	109	55 - 139

Lab Control Sample - Batch: 460-349372

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-349372/2-A	Analysis Batch:	460-349398	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-349372	Lab File ID:	P4018704.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/09/2016 1112	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/09/2016 0347			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	133	136	102	61 - 140	
4,4'-DDE	133	134	101	61 - 135	
4,4'-DDT	133	141	106	59 - 133	
Aldrin	133	132	99	61 - 133	
alpha-BHC	133	137	103	61 - 137	
beta-BHC	133	135	101	59 - 136	

Client: FPM Group Limited

Job Number: 460-108494-1

Lab Control Sample - Batch: 460-349372

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-349372/2-A	Analysis Batch:	460-349398	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-349372	Lab File ID:	P4018704.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/09/2016 1112	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/09/2016 0347			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
delta-BHC	133	135	101	60 - 139	
Dieldrin	133	130	97	61 - 137	
Endosulfan I	133	132	99	60 - 135	
Endosulfan II	133	136	102	61 - 130	
Endosulfan sulfate	133	137	102	60 - 129	
Endrin	133	127	95	59 - 133	
Endrin aldehyde	133	138	104	57 - 131	
Endrin ketone	133	137	103	57 - 138	
gamma-BHC (Lindane)	133	132	99	61 - 138	
Heptachlor	133	127	95	61 - 135	
Heptachlor epoxide	133	131	98	61 - 129	
Methoxychlor	133	133	100	60 - 129	

Client: FPM Group Limited

Job Number: 460-108494-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-349372

Method: 8081B
Preparation: 3546

MS Lab Sample ID:	460-108494-1	Analysis Batch:	460-349398	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-349372	Lab File ID:	P4018706.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0221 g
Analysis Date:	02/09/2016 1137			Final Weight/Volume:	10 mL
Prep Date:	02/09/2016 0347			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-108494-1	Analysis Batch:	460-349398	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-349372	Lab File ID:	P4018707.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0003 g
Analysis Date:	02/09/2016 1150			Final Weight/Volume:	10 mL
Prep Date:	02/09/2016 0347			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	112	127	61 - 140	13	30		
4,4'-DDE	111	125	61 - 135	12	30		
4,4'-DDT	116	136	59 - 133	16	30		*
Aldrin	121	123	61 - 133	2	30		
alpha-BHC	124	125	61 - 137	2	30		
beta-BHC	130	125	59 - 136	3	30		
delta-BHC	120	124	60 - 139	4	30		
Dieldrin	110	122	61 - 137	10	30		
Endosulfan I	109	123	60 - 135	12	30		
Endosulfan II	112	126	61 - 130	12	30		
Endosulfan sulfate	112	126	60 - 129	12	30		
Endrin	106	119	59 - 133	12	30		
Endrin aldehyde	113	128	57 - 131	13	30		
Endrin ketone	113	127	57 - 138	12	30		
gamma-BHC (Lindane)	117	122	61 - 138	4	30		
Heptachlor	117	118	61 - 135	1	30		
Heptachlor epoxide	110	122	61 - 129	10	30		
Methoxychlor	109	125	60 - 129	14	30		

Surrogate	MS % Rec		MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	125		137	55 - 148
Tetrachloro-m-xylene	154	*	132	55 - 139

Client: FPM Group Limited

Job Number: 460-108494-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-349372

Method: 8081B
Preparation: 3546

MS Lab Sample ID:	460-108494-1	Analysis Batch:	460-349398	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-349372	Lab File ID:	P4018706.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0221 g
Analysis Date:	02/09/2016 1137			Final Weight/Volume:	10 mL
Prep Date:	02/09/2016 0347			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-108494-1	Analysis Batch:	460-349398	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-349372	Lab File ID:	P4018707.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0003 g
Analysis Date:	02/09/2016 1150			Final Weight/Volume:	10 mL
Prep Date:	02/09/2016 0347			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	107	112	61 - 140	5	30		
4,4'-DDE	108	110	61 - 135	2	30		
4,4'-DDT	108	114	59 - 133	5	30		
Aldrin	110	119	61 - 133	7	30		
alpha-BHC	114	120	61 - 137	5	30		
beta-BHC	114	116	59 - 136	3	30		
delta-BHC	112	120	60 - 139	7	30		
Dieldrin	108	116	61 - 137	8	30		
Endosulfan I	108	111	60 - 135	3	30		
Endosulfan II	107	113	61 - 130	5	30		
Endosulfan sulfate	104	110	60 - 129	6	30		
Endrin	104	110	59 - 133	5	30		
Endrin aldehyde	108	114	57 - 131	6	30		
Endrin ketone	111	118	57 - 138	6	30		
gamma-BHC (Lindane)	111	116	61 - 138	5	30		
Heptachlor	106	117	61 - 135	10	30		
Heptachlor epoxide	109	113	61 - 129	4	30		
Methoxychlor	102	108	60 - 129	5	30		

Client: FPM Group Limited

Job Number: 460-108494-1

Method Blank - Batch: 460-349376

Method: 8082A
Preparation: 3546

Lab Sample ID:	MB 460-349376/1-A	Analysis Batch:	460-349697	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-349376	Lab File ID:	T1315290.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/10/2016 1325	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/09/2016 0416			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	67	U	8.9	67
Aroclor 1221	67	U	8.9	67
Aroclor 1232	67	U	8.9	67
Aroclor 1242	67	U	8.9	67
Aroclor 1248	67	U	8.9	67
Aroclor 1254	67	U	9.2	67
Aroclor 1260	67	U	9.2	67
Aroclor-1262	67	U	9.2	67
Aroclor 1268	67	U	9.2	67
Polychlorinated biphenyls, Total	67	U	9.2	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	114	47 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	117	47 - 150

Client: FPM Group Limited

Job Number: 460-108494-1

Lab Control Sample - Batch: 460-349376

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-349376/2-A	Analysis Batch:	460-349697	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-349376	Lab File ID:	T1315291.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/10/2016 1340	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/09/2016 0416			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	364	109	70 - 149	
Aroclor 1260	333	366	110	71 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	114	47 - 150

Lab Control Sample - Batch: 460-349376

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-349376/2-A	Analysis Batch:	460-349697	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-349376	Lab File ID:	T1315291.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/10/2016 1340	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/09/2016 0416			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	363	109	70 - 149	
Aroclor 1260	333	358	107	71 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	115	47 - 150

Client: FPM Group Limited

Job Number: 460-108494-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-349376

Method: 8082A
Preparation: 3546

MS Lab Sample ID:	460-108487-A-1-B MS	Analysis Batch:	460-349697	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-349376	Lab File ID:	T1315292.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0015 g
Analysis Date:	02/10/2016 1354			Final Weight/Volume:	10 mL
Prep Date:	02/09/2016 0416			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-108487-A-1-C MSD	Analysis Batch:	460-349697	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-349376	Lab File ID:	T1315293.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0042 g
Analysis Date:	02/10/2016 1409			Final Weight/Volume:	10 mL
Prep Date:	02/09/2016 0416			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	100	101	70 - 149	2	30		
Aroclor 1260	102	105	71 - 150	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	113	114	47 - 150

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-349376

Method: 8082A
Preparation: 3546

MS Lab Sample ID:	460-108487-A-1-B MS	Analysis Batch:	460-349697	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-349376	Lab File ID:	T1315292.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0015 g
Analysis Date:	02/10/2016 1354			Final Weight/Volume:	10 mL
Prep Date:	02/09/2016 0416			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-108487-A-1-C MSD	Analysis Batch:	460-349697	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-349376	Lab File ID:	T1315293.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0042 g
Analysis Date:	02/10/2016 1409			Final Weight/Volume:	10 mL
Prep Date:	02/09/2016 0416			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	97	99	70 - 149	2	30		
Aroclor 1260	100	102	71 - 150	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	112	116	47 - 150

Client: FPM Group Limited

Job Number: 460-108494-1

Method Blank - Batch: 460-349351

Method: 6010C
Preparation: 3050B

Lab Sample ID:	MB 460-349351/1-A ^2	Analysis Batch:	460-349631	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-349351	Lab File ID:	349351.asc
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	02/10/2016 1032	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/08/2016 1917				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	20.0	U	10.3	20.0
Antimony	2.0	U	0.79	2.0
Arsenic	1.5	U	0.49	1.5
Barium	20.0	U	0.72	20.0
Beryllium	0.20	U	0.17	0.20
Cadmium	0.40	U	0.21	0.40
Calcium	500	U	29.6	500
Chromium	1.0	U	0.48	1.0
Cobalt	5.0	U	0.58	5.0
Copper	2.5	U	0.65	2.5
Iron	15.0	U	11.3	15.0
Lead	1.0	U	0.39	1.0
Magnesium	500	U	25.0	500
Manganese	1.5	U	0.53	1.5
Nickel	4.0	U	0.73	4.0
Potassium	500	U	15.2	500
Selenium	2.0	U	0.69	2.0
Silver	1.0	U	0.18	1.0
Sodium	500	U	33.9	500
Thallium	2.0	U	0.89	2.0
Vanadium	5.0	U	0.50	5.0
Zinc	3.0	U	0.73	3.0

Client: FPM Group Limited

Job Number: 460-108494-1

LCS-Certified Reference Material - Batch: 460-349351

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCSSRM 460-349351/2-A	Analysis Batch:	460-349631	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-349351	Lab File ID:	349351.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	02/10/2016 1036	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/08/2016 1917				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	7930	7288	91.9	50.2 - 150.1	
Antimony	105	50.82	48.4	0.1 - 201.0	
Arsenic	98.5	91.74	93.1	77.8 - 122.8	
Barium	308	301.6	97.9	82.5 - 117.5	
Beryllium	66.0	63.14	95.7	83.0 - 116.8	
Cadmium	146	139.3	95.4	82.9 - 117.8	
Calcium	6610	6262	94.7	83.7 - 116.2	
Chromium	182	180.6	99.2	79.7 - 120.3	
Cobalt	162	159.7	98.6	83.3 - 116.0	
Copper	106	98.68	93.1	81.5 - 118.9	
Iron	14400	14410	100.1	44.1 - 155.6	
Lead	130	126.7	97.5	82.3 - 117.7	
Magnesium	2640	2454	93.0	75.8 - 124.6	
Manganese	410	411.8	100.4	81.2 - 119.0	
Nickel	149	149.9	100.6	82.6 - 117.4	
Potassium	2550	2332	91.5	69.0 - 130.6	
Selenium	154	140.8	91.4	77.9 - 122.1	
Silver	40.9	38.10	93.2	75.1 - 124.7	
Sodium	2480	2396	96.6	70.6 - 129.0	
Thallium	175	179.8	102.7	78.3 - 121.1	
Vanadium	96.7	94.44	97.7	77.2 - 123.1	
Zinc	191	186.1	97.4	83.2 - 116.8	

Client: FPM Group Limited

Job Number: 460-108494-1

Matrix Spike - Batch: 460-349351

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-108494-2	Analysis Batch:	460-349631	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-349351	Lab File ID:	349351.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.26 g
Analysis Date:	02/10/2016 1052	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/08/2016 1917				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	3710		164	4714	611	75 - 125	4
Antimony	3.3	U	41.0	20.73	51	75 - 125	N
Arsenic	2.4	U	164	150.7	92	75 - 125	
Barium	28.1	J	164	186.3	97	75 - 125	
Beryllium	0.28	J	4.10	4.36	106	75 - 125	
Cadmium	0.65	U	4.10	3.77	92	75 - 125	
Calcium	1040		1640	3113	127	75 - 125	N
Chromium	10.3		16.4	28.51	111	75 - 125	
Cobalt	4.2	J	41.0	43.72	96	75 - 125	
Copper	8.0		20.5	30.89	112	75 - 125	
Iron	7870		81.9	8902	1264	75 - 125	4
Lead	1.9		41.0	42.42	99	75 - 125	
Magnesium	2000		1640	3249	76	75 - 125	
Manganese	326		41.0	325.7	-0.5	75 - 125	4
Nickel	12.7		41.0	50.48	92	75 - 125	
Potassium	438	J	1640	1904	89	75 - 125	
Selenium	3.3	U	164	148.2	90	75 - 125	
Silver	1.6	U	4.10	3.90	95	75 - 125	
Sodium	89.5	J	1640	1694	98	75 - 125	
Thallium	3.3	U	164	165.7	101	75 - 125	
Vanadium	11.3		41.0	54.78	106	75 - 125	
Zinc	13.4		41.0	53.07	97	75 - 125	

Client: FPM Group Limited

Job Number: 460-108494-1

Duplicate - Batch: 460-349351

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-108494-2	Analysis Batch:	460-349631	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-349351	Lab File ID:	349351.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.36 g
Analysis Date:	02/10/2016 1040	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/08/2016 1917				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	3710		3487	6	20	
Antimony	3.3	U	3.0	NC	20	U
Arsenic	2.4	U	2.3	NC	20	U
Barium	28.1	J	26.41	6	20	J
Beryllium	0.28	J	0.30	NC	20	U
Cadmium	0.65	U	0.61	NC	20	U
Calcium	1040		979.1	6	20	
Chromium	10.3		9.61	7	20	
Cobalt	4.2	J	3.95	7	20	J
Copper	8.0		7.47	6	20	
Iron	7870		7437	6	20	
Lead	1.9		1.73	12	20	
Magnesium	2000		1901	5	20	
Manganese	326		306.3	6	20	
Nickel	12.7		11.95	6	20	
Potassium	438	J	413.8	6	20	J
Selenium	3.3	U	3.0	NC	20	U
Silver	1.6	U	1.5	NC	20	U
Sodium	89.5	J	83.80	7	20	J
Thallium	3.3	U	3.0	NC	20	U
Vanadium	11.3		10.58	7	20	
Zinc	13.4		12.57	6	20	

Client: FPM Group Limited

Job Number: 460-108494-1

Method Blank - Batch: 460-349352

Method: 6010C
Preparation: 3050B

Lab Sample ID:	MB 460-349352/1-A ^2	Analysis Batch:	460-349631	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-349352	Lab File ID:	349351.asc
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	02/10/2016 1251	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/08/2016 2107				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	20.0	U	10.3	20.0
Antimony	2.0	U	0.79	2.0
Arsenic	1.5	U	0.49	1.5
Barium	20.0	U	0.72	20.0
Beryllium	0.20	U	0.17	0.20
Cadmium	0.40	U	0.21	0.40
Calcium	500	U	29.6	500
Chromium	1.0	U	0.48	1.0
Cobalt	5.0	U	0.58	5.0
Copper	2.5	U	0.65	2.5
Iron	15.0	U	11.3	15.0
Lead	1.0	U	0.39	1.0
Magnesium	500	U	25.0	500
Manganese	1.5	U	0.53	1.5
Nickel	4.0	U	0.73	4.0
Potassium	500	U	15.2	500
Selenium	2.0	U	0.69	2.0
Silver	1.0	U	0.18	1.0
Sodium	500	U	33.9	500
Thallium	2.0	U	0.89	2.0
Vanadium	5.0	U	0.50	5.0
Zinc	3.0	U	0.73	3.0

Client: FPM Group Limited

Job Number: 460-108494-1

LCS-Certified Reference Material - Batch: 460-349352

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCSSRM 460-349352/2-A	Analysis Batch:	460-349631	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-349352	Lab File ID:	349351.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	02/10/2016 1255	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/08/2016 2107				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	7930	7220	91.0	50.2 - 150.1	
Antimony	105	49.70	47.3	0.1 - 201.0	
Arsenic	98.5	93.02	94.4	77.8 - 122.8	
Barium	308	306.8	99.6	82.5 - 117.5	
Beryllium	66.0	64.14	97.2	83.0 - 116.8	
Cadmium	146	143.4	98.2	82.9 - 117.8	
Calcium	6610	6402	96.9	83.7 - 116.2	
Chromium	182	181.1	99.5	79.7 - 120.3	
Cobalt	162	159.9	98.7	83.3 - 116.0	
Copper	106	101.7	95.9	81.5 - 118.9	
Iron	14400	14350	99.6	44.1 - 155.6	
Lead	130	127.9	98.4	82.3 - 117.7	
Magnesium	2640	2472	93.6	75.8 - 124.6	
Manganese	410	413.2	100.8	81.2 - 119.0	
Nickel	149	149.3	100.2	82.6 - 117.4	
Potassium	2550	2330	91.4	69.0 - 130.6	
Selenium	154	142.0	92.2	77.9 - 122.1	
Silver	40.9	38.72	94.7	75.1 - 124.7	
Sodium	2480	2392	96.5	70.6 - 129.0	
Thallium	175	187.7	107.2	78.3 - 121.1	
Vanadium	96.7	93.56	96.8	77.2 - 123.1	
Zinc	191	187.6	98.2	83.2 - 116.8	

Client: FPM Group Limited

Job Number: 460-108494-1

Matrix Spike - Batch: 460-349352

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-108486-A-17-D MS	Analysis Batch:	460-349631	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-349352	Lab File ID:	349351.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.27 g
Analysis Date:	02/10/2016 1311	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/08/2016 2107				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	7090		173	10620	2038	75 - 125	4
Antimony	3.6	U	43.3	23.31	54	75 - 125	N
Arsenic	9.3		173	172.4	94	75 - 125	
Barium	1210		173	918.6	-168	75 - 125	4
Beryllium	0.54		4.33	5.11	106	75 - 125	
Cadmium	1.7		4.33	11.20	219	75 - 125	N
Calcium	4430		1730	6163	100	75 - 125	
Chromium	33.0		17.3	65.23	186	75 - 125	N
Cobalt	5.1	J	43.3	49.36	102	75 - 125	
Copper	121		21.6	49.53	-328	75 - 125	4
Lead	63.7		43.3	90.67	62	75 - 125	N
Magnesium	2310		1730	5261	171	75 - 125	N
Manganese	131		43.3	196.6	152	75 - 125	N
Nickel	14.0		43.3	60.78	108	75 - 125	
Potassium	819	J	1730	2729	110	75 - 125	
Selenium	3.6	U	173	159.5	92	75 - 125	
Silver	0.46	J	4.33	4.59	95	75 - 125	
Sodium	187	J	1730	1912	100	75 - 125	
Thallium	3.6	U	173	173.4	100	75 - 125	
Vanadium	58.3		43.3	115.3	132	75 - 125	N
Zinc	148		43.3	645.0	1148	75 - 125	N

Client: FPM Group Limited

Job Number: 460-108494-1

Duplicate - Batch: 460-349352

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-108486-A-17-C DU	Analysis Batch:	460-349631	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-349352	Lab File ID:	349351.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.24 g
Analysis Date:	02/10/2016 1259	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/08/2016 2107				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	7090		7039	0.7	20	
Antimony	3.6	U	3.5	NC	20	U
Arsenic	9.3		9.29	0.2	20	
Barium	1210		1203	0.5	20	
Beryllium	0.54		0.533	2	20	
Cadmium	1.7		1.69	2	20	
Calcium	4430		4382	1	20	
Chromium	33.0		32.47	2	20	
Cobalt	5.1	J	5.07	1	20	J
Copper	121		119.9	0.5	20	
Iron	33000		33060	0.1	20	
Lead	63.7		63.30	0.7	20	
Magnesium	2310		2297	0.3	20	
Manganese	131		129.7	0.9	20	
Nickel	14.0		13.86	1	20	
Potassium	819	J	823.2	0.6	20	J
Selenium	3.6	U	3.5	NC	20	U
Silver	0.46	J	0.415	10	20	J
Sodium	187	J	185.4	0.8	20	J
Thallium	3.6	U	3.5	NC	20	U
Vanadium	58.3		57.70	1	20	
Zinc	148		145.1	2	20	

Client: FPM Group Limited

Job Number: 460-108494-1

Method Blank - Batch: 460-349380

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 460-349380/1-A	Analysis Batch:	460-349444	Instrument ID:	LEEMAN6
Client Matrix:	Solid	Prep Batch:	460-349380	Lab File ID:	349379hg.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	02/09/2016 1143	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/09/2016 0445				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.017	U	0.012	0.017

LCS-Certified Reference Material - Batch: 460-349380

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCSSRM 460-349380/2-A	Analysis Batch:	460-349444	Instrument ID:	LEEMAN6
Client Matrix:	Solid	Prep Batch:	460-349380	Lab File ID:	349379hg.CSV
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	02/09/2016 1145	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/09/2016 0445				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	7.10	6.84	96.4	73.7 - 126.3	

Matrix Spike - Batch: 460-349380

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-108486-B-1-E MS	Analysis Batch:	460-349444	Instrument ID:	LEEMAN6
Client Matrix:	Solid	Prep Batch:	460-349380	Lab File ID:	349379hg.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.65 g
Analysis Date:	02/09/2016 1151	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/09/2016 0445				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.042	0.0846	0.139	115	75 - 125	

Client: FPM Group Limited

Job Number: 460-108494-1

Duplicate - Batch: 460-349380

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-108486-B-1-D DU	Analysis Batch:	460-349444	Instrument ID:	LEEMAN6
Client Matrix:	Solid	Prep Batch:	460-349380	Lab File ID:	349379hg.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.65 g
Analysis Date:	02/09/2016 1149	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/09/2016 0445				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.042	0.0432	3	20	

Client: FPM Group Limited

Job Number: 460-108494-1

Duplicate - Batch: 460-349450

Method: Moisture
Preparation: N/A

Lab Sample ID:	460-108494-4	Analysis Batch:	460-349450	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:	02/09/2016 1445	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	4.4	4.1	7	20	
Percent Solids	95.6	95.9	0.3	20	

Client: FPM Group Limited

Job Number: 460-108494-1

Duplicate - Batch: 460-349452

Method: Moisture
Preparation: N/A

Lab Sample ID:	460-108498-D-27 DU	Analysis Batch:	460-349452	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:	02/09/2016 1450	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	15.9	17.6	10	20	
Percent Solids	84.1	82.4	2	20	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQ

460-108494 Chain of Custody

(732) 549-3679

1 of 1

Name (for report and invoice): George Holmes	Samplers Name (Printed): George Holmes	Site/Project Identification: Queens Boulevard (QB)
Company: FPM Group	P. O. #: 11219-15-10	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program: CAT A DKQP: ☐
Address: 909 Marconi Avenue	Analysis Turnaround Time: Standard ☒	LAB USE ONLY Project No:
City: Ronkonkoma State: NY 11779	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	Job No: 108494
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	Mercury	Sample Numbers
SB-5 (0-2)	2/3/16	10:30	S	5	X	X	X	X	X	X	1
SB-5 (16-18)	↓	11:00	↓	↓	↓	↓	↓	↓	↓	↓	2
SB-6 (0-2)	↓	11:30	↓	↓	↓	↓	↓	↓	↓	↓	3
SB-6 (18-20)	↓	12:00	↓	↓	↓	↓	↓	↓	↓	↓	4
SB-3 (0-2)	↓	13:00	↓	↓	↓	↓	↓	↓	↓	↓	5
SB-3 (9-11)	↓	13:30	↓	↓	↓	↓	↓	↓	↓	↓	6
TB0203	↓	9:00	Aq	2	↓						7

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	1					
Water:	1,2										

Special Instructions _____ Water Metals Filtered (Yes/No)? ____

SHORT HOLD

Relinquished by	Company	Date / Time	Received by	Company
	FPM	2/4/16 11:03	1)	
Relinquished by 2)	Company T.A	2/4/16 17:00	Received by 2)	Company
Relinquished by 3)	Company	Date / Time	Received by 3)	Company 2/4/16 17:00
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 (0715)

Massachusetts (M-NJ312), North Carolina (No. 578) 1.4 / 2.4 ERB NO C.S.

02/22/2016

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 108494

Number of Coolers: 1 IR Gun # 6

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.7 °C	2.4 °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: _____ Date: 2/7/16

EDS-WI-038, Rev 4, 06/09/2014

Login Sample Receipt Checklist

Client: FPM Group Limited

Job Number: 460-108494-1

Login Number: 108494
List Number: 1
Creator: Hall, Alonzo

List Source: TestAmerica Edison

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	2.4° C IR #6
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 (excluding tests with immediate HTs)	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").	N/A	
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: 460-108656-1

Job Description: Queens Boulevard, Woodside

For:
FPM Group Limited
909 Marconi Avenue
Ronkonkoma, NY 11779

Attention: George Holmes

Approved for release.
Shalini Williams
Project Management Assistant II
2/24/2016 2:54 PM

Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
02/24/2016

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: Queens Boulevard, Woodside

Report Number: 460-108656-1

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 2/5/2016 2:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4º 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.

VOLATILE ORGANICS
Samples SB-4 (0-2) (460-108656-1), SB-4 (18-20) (460-108656-2), SB-2 (0-2) (460-108656-3), SB-2 (17-19) (460-108656-4), SB-1 (0-2) (460-108656-5), SB-1 (10-12) (460-108656-6) and SB-1 (21-23) (460-108656-7) were analyzed for Volatile organics in accordance with EPA SW-846 Method 8260C. The samples were prepared on 02/06/2016 and analyzed on 02/17/2016 and 02/18/2016.

The continuing calibration verification (CCV) associated with batch 460-350709 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane and Methyl acetate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-350890 recovered above the upper control limit for Dichlorodifluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) for batch analytical batch 460-350724 recovered outside control limits for the following analyte: 1,1,2-Trichloro-1,2,2-trifluoroethane. This analyte was not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for batch analytical batch 460-350890 recovered outside control limits for the following analyte: 1,1,2-Trichloro-1,2,2-trifluoroethane. The LCS/LCSD precision for 1,1,2-Trichloro-1,2,2-trifluoroethane was also outside control limits. This analyte was not detected in the associated samples; therefore, the data have been reported.

1,1,2-Trichloro-1,2,2-trifluoroethane failed the recovery criteria low for LCS 460-350724/3. 1,1,2-Trichloro-1,2,2-trifluoroethane failed the recovery criteria low for LCS 460-350890/3. 1,1,2-Trichloro-1,2,2-trifluoroethane exceeded the RPD limit for LCSD 460-350890/4.

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 TB0204 (460-108656-8) was analyzed for Volatile organics in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 02/17/2016.

No difficulties were encountered during the Volatile organics analysis.

All quality control parameters were within the acceptance limits.

PESTICIDES

Samples SB-4 (0-2) (460-108656-1), SB-4 (18-20) (460-108656-2), SB-2 (0-2) (460-108656-3), SB-2 (17-19) (460-108656-4), SB-1 (0-2) (460-108656-5), SB-1 (10-12) (460-108656-6) and SB-1 (21-23) (460-108656-7) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared and analyzed on 02/11/2016.

No difficulties were encountered during the Pesticides analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS

Samples SB-4 (0-2) (460-108656-1), SB-4 (18-20) (460-108656-2), SB-2 (0-2) (460-108656-3), SB-2 (17-19) (460-108656-4), SB-1 (0-2) (460-108656-5), SB-1 (10-12) (460-108656-6) and SB-1 (21-23) (460-108656-7) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared and analyzed on 02/11/2016.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS

Samples SB-4 (0-2) (460-108656-1), SB-4 (18-20) (460-108656-2), SB-2 (0-2) (460-108656-3), SB-2 (17-19) (460-108656-4), SB-1 (0-2) (460-108656-5), SB-1 (10-12) (460-108656-6) and SB-1 (21-23) (460-108656-7) were analyzed for Semivolatile organic compounds in accordance with EPA SW-846 Method 8270D. The samples were prepared on 02/11/2016 and analyzed on 02/19/2016, 02/22/2016, 02/23/2016 and 02/24/2016.

The initial calibration verification (ICV) result for batch 460-351930 was above the upper control limit for Caprolactam. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. Sample results were non-detects, and have been reported as qualified data.

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 460-349730 had one analyte (Isophorone) 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 460-351120 was outside the method criteria for the following analyte(s): Acenaphthene, 1,2,4,5-Tetrachlorobenzene and Caprolactam. 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.

The continuing calibration verification (CCV) analyzed in batch 460-351636 was outside the method criteria for the following analyte(s): 2,2'-oxybis[1-chloropropane], 2,4,6-Tribromophenol (Surr) and N-Nitrosodi-n-propylamine. 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.

The continuing calibration verification (CCV) analyzed in batch 460-351868 was outside the method criteria for the following analyte(s): 2,4-Dinitrophenol, 2,4,6-Tribromophenol, 2,2'-oxybis[1-chloropropane], 4,6-Dinitro-2-methylphenol, 2-Nitroaniline and Dibenz(a,h)anthracene. 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.

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: SB-1 (0-2) (460-108656-5). These results have been reported and qualified.

Surrogate recovery for the following samples was outside the upper control limit: (LCS 460-349730/2-A) and (LCS 460-349730/3-A).

2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria low for SB-1 (0-2) (460-108656-5). 2,4,6-Tribromophenol (Surr), 2-Fluorophenol (Surr), Nitrobenzene-d5 (Surr) and Phenol-d5 (Surr) failed the surrogate recovery criteria high for LCS 460-349730/2-A. 2-Fluorophenol (Surr), Nitrobenzene-d5 (Surr) and Phenol-d5 (Surr) failed the surrogate recovery criteria high for LCS 460-349730/3-A.

Isophorone failed the recovery criteria high for LCS 460-349730/2-A.

Fluorene failed the recovery criteria low for the MS of sample SB-1 (21-23)MS (460-108656-7) in batch 460-351120. 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol and Fluorene failed the recovery criteria low for the MSD of sample SB-1 (21-23)MSD (460-108656-7) in batch 460-351120. 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.

Samples SB-2 (0-2) (460-108656-3)[2X] and SB-1 (0-2) (460-108656-5)[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.

METALS

Samples SB-4 (0-2) (460-108656-1), SB-4 (18-20) (460-108656-2), SB-2 (0-2) (460-108656-3), SB-2 (17-19) (460-108656-4), SB-1 (0-2) (460-108656-5), SB-1 (10-12) (460-108656-6) and SB-1 (21-23) (460-108656-7) were analyzed for Metals in accordance with EPA SW-846 Methods 6010C. The samples were prepared on 02/11/2016 and analyzed on 02/14/2016.

Antimony failed the recovery criteria low for the MS of sample 460-108629-2 in batch 460-350243. Aluminum, Chromium, Copper and Iron failed the recovery criteria high.

Aluminum, Barium, Cobalt, Lead, Nickel and Zinc exceeded the RPD limit for the duplicate of sample 460-108629-2.

Refer to the QC report for details.

Samples SB-4 (0-2) (460-108656-1)[4X], SB-4 (18-20) (460-108656-2)[4X], SB-2 (0-2) (460-108656-3)[4X], SB-2 (17-19) (460-108656-4)[4X], SB-1 (0-2) (460-108656-5)[4X], SB-1 (10-12) (460-108656-6)[4X] and SB-1 (21-23) (460-108656-7)[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 SB-4 (0-2) (460-108656-1), SB-4 (18-20) (460-108656-2), SB-2 (0-2) (460-108656-3), SB-2 (17-19) (460-108656-4), SB-1 (0-2) (460-108656-5), SB-1 (10-12) (460-108656-6) and SB-1 (21-23) (460-108656-7) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 02/11/2016.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples SB-4 (0-2) (460-108656-1), SB-4 (18-20) (460-108656-2), SB-2 (0-2) (460-108656-3), SB-2 (17-19) (460-108656-4), SB-1 (0-2) (460-108656-5), SB-1 (10-12) (460-108656-6) and SB-1 (21-23) (460-108656-7) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 02/11/2016.

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: 460-108656-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-108656-1	**SB-4 (0-2)**					
Methylene Chloride		0.079	J	0.19	ug/Kg	8260C
Trichlorofluoromethane		4.1		0.19	ug/Kg	8260C
Acenaphthene		9.3	J	380	ug/Kg	8270D
Benzo[a]anthracene		130		38	ug/Kg	8270D
Benzo[a]pyrene		120		38	ug/Kg	8270D
Benzo[b]fluoranthene		170		38	ug/Kg	8270D
Benzo[g,h,i]perylene		110	J	380	ug/Kg	8270D
Benzo[k]fluoranthene		78		38	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate		87	J	380	ug/Kg	8270D
Butyl benzyl phthalate		17	J	380	ug/Kg	8270D
Carbazole		18	J	380	ug/Kg	8270D
Chrysene		160	J	380	ug/Kg	8270D
Di-n-butyl phthalate		12	J	380	ug/Kg	8270D
Fluoranthene		260	J	380	ug/Kg	8270D
Fluorene		12	J	380	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		120		38	ug/Kg	8270D
Phenanthrene		170	J	380	ug/Kg	8270D
Pyrene		210	J	380	ug/Kg	8270D
Aluminum		9110		45.0	mg/Kg	6010C
Arsenic		3.0	J	3.4	mg/Kg	6010C
Barium		95.1		45.0	mg/Kg	6010C
Beryllium		0.48		0.45	mg/Kg	6010C
Calcium		5100		1120	mg/Kg	6010C
Chromium		18.9		2.2	mg/Kg	6010C
Cobalt		6.1	J	11.2	mg/Kg	6010C
Copper		35.2		5.6	mg/Kg	6010C
Iron		14800		33.7	mg/Kg	6010C
Lead		112		2.2	mg/Kg	6010C
Magnesium		3620		1120	mg/Kg	6010C
Manganese		353		3.4	mg/Kg	6010C
Nickel		15.3		9.0	mg/Kg	6010C
Potassium		860	J	1120	mg/Kg	6010C
Sodium		421	J	1120	mg/Kg	6010C
Vanadium		24.1		11.2	mg/Kg	6010C
Zinc		282		6.7	mg/Kg	6010C
Mercury		0.12		0.018	mg/Kg	7471B
Percent Moisture		12.8		1.0	%	Moisture
Percent Solids		87.2		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-108656-2	**SB-4 (18-20)**					
Methylene Chloride		0.078	J	0.17	ug/Kg	8260C
Aluminum		5030		37.5	mg/Kg	6010C
Barium		34.8	J	37.5	mg/Kg	6010C
Beryllium		0.32	J	0.38	mg/Kg	6010C
Calcium		567	J	939	mg/Kg	6010C
Chromium		10.6		1.9	mg/Kg	6010C
Cobalt		6.1	J	9.4	mg/Kg	6010C
Copper		9.8		4.7	mg/Kg	6010C
Iron		9880		28.2	mg/Kg	6010C
Lead		2.4		1.9	mg/Kg	6010C
Magnesium		998		939	mg/Kg	6010C
Manganese		279		2.8	mg/Kg	6010C
Nickel		7.2	J	7.5	mg/Kg	6010C
Potassium		472	J	939	mg/Kg	6010C
Vanadium		15.0		9.4	mg/Kg	6010C
Zinc		19.4		5.6	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: 460-108656-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-108656-3	**SB-2 (0-2)**					
Methylene Chloride		0.074	J	0.18	ug/Kg	8260C
Tetrachloroethene		0.13	J	0.18	ug/Kg	8260C
2-Methylnaphthalene		19	J	720	ug/Kg	8270D
Benzo[a]anthracene		100		72	ug/Kg	8270D
Benzo[a]pyrene		89		72	ug/Kg	8270D
Benzo[b]fluoranthene		130		72	ug/Kg	8270D
Benzo[g,h,i]perylene		110	J	720	ug/Kg	8270D
Benzo[k]fluoranthene		52	J	72	ug/Kg	8270D
Chrysene		110	J	720	ug/Kg	8270D
Fluoranthene		180	J	720	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		110		72	ug/Kg	8270D
Naphthalene		22	J	720	ug/Kg	8270D
Phenanthrene		85	J	720	ug/Kg	8270D
Pyrene		140	J	720	ug/Kg	8270D
Aluminum		11100		41.8	mg/Kg	6010C
Arsenic		5.0		3.1	mg/Kg	6010C
Barium		125		41.8	mg/Kg	6010C
Beryllium		0.48		0.42	mg/Kg	6010C
Cadmium		0.55	J	0.84	mg/Kg	6010C
Calcium		21400		1040	mg/Kg	6010C
Chromium		26.1		2.1	mg/Kg	6010C
Cobalt		7.6	J	10.4	mg/Kg	6010C
Copper		66.5		5.2	mg/Kg	6010C
Iron		18300		31.3	mg/Kg	6010C
Lead		303		2.1	mg/Kg	6010C
Magnesium		8030		1040	mg/Kg	6010C
Manganese		249		3.1	mg/Kg	6010C
Nickel		24.9		8.4	mg/Kg	6010C
Potassium		1840		1040	mg/Kg	6010C
Sodium		178	J	1040	mg/Kg	6010C
Vanadium		38.1		10.4	mg/Kg	6010C
Zinc		212		6.3	mg/Kg	6010C
Mercury		0.31		0.017	mg/Kg	7471B
Percent Moisture		8.8		1.0	%	Moisture
Percent Solids		91.2		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-108656-4	**SB-2 (17-19)**					
Ethylbenzene		0.049	J	0.17	ug/Kg	8260C
m-Xylene & p-Xylene		0.15	J	0.17	ug/Kg	8260C
o-Xylene		0.043	J	0.17	ug/Kg	8260C
Aluminum		2610		37.4	mg/Kg	6010C
Barium		27.6	J	37.4	mg/Kg	6010C
Calcium		443	J	935	mg/Kg	6010C
Chromium		8.1		1.9	mg/Kg	6010C
Cobalt		2.2	J	9.4	mg/Kg	6010C
Copper		5.9		4.7	mg/Kg	6010C
Iron		7290		28.1	mg/Kg	6010C
Lead		1.5	J	1.9	mg/Kg	6010C
Magnesium		939		935	mg/Kg	6010C
Manganese		72.2		2.8	mg/Kg	6010C
Nickel		4.7	J	7.5	mg/Kg	6010C
Potassium		380	J	935	mg/Kg	6010C
Vanadium		11.0		9.4	mg/Kg	6010C
Zinc		10.7		5.6	mg/Kg	6010C
Percent Moisture		3.7		1.0	%	Moisture
Percent Solids		96.3		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-108656-5	**SB-1 (0-2)**					
Benzene		0.046	J	0.19	ug/Kg	8260C
cis-1,2-Dichloroethene		0.52		0.19	ug/Kg	8260C
Ethylbenzene		0.038	J	0.19	ug/Kg	8260C
o-Xylene		0.052	J	0.19	ug/Kg	8260C
Tetrachloroethene		6.2		0.19	ug/Kg	8260C
2-Methylnaphthalene		160	J	740	ug/Kg	8270D
Acenaphthene		380	J	740	ug/Kg	8270D
Acenaphthylene		89	J	740	ug/Kg	8270D
Anthracene		2400		740	ug/Kg	8270D
Benzo[a]anthracene		6300		74	ug/Kg	8270D
Benzo[a]pyrene		5100		74	ug/Kg	8270D
Benzo[b]fluoranthene		6400		74	ug/Kg	8270D
Benzo[g,h,i]perylene		3900		740	ug/Kg	8270D
Benzo[k]fluoranthene		2600		74	ug/Kg	8270D
Carbazole		880		740	ug/Kg	8270D
Chrysene		6300		740	ug/Kg	8270D
Dibenz(a,h)anthracene		1300		74	ug/Kg	8270D
Dibenzofuran		740		740	ug/Kg	8270D
Fluoranthene		15000		740	ug/Kg	8270D
Fluorene		700	J	740	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		4500		74	ug/Kg	8270D
Isophorone		120	J *	300	ug/Kg	8270D
Naphthalene		140	J	740	ug/Kg	8270D
Phenanthrene		10000		740	ug/Kg	8270D
Pyrene		9100		740	ug/Kg	8270D
Aluminum		7680		45.0	mg/Kg	6010C
Arsenic		3.3	J	3.4	mg/Kg	6010C
Barium		61.3		45.0	mg/Kg	6010C
Calcium		43700		1120	mg/Kg	6010C
Chromium		12.9		2.2	mg/Kg	6010C
Cobalt		6.2	J	11.2	mg/Kg	6010C
Copper		53.0		5.6	mg/Kg	6010C
Iron		17100		33.7	mg/Kg	6010C
Lead		126		2.2	mg/Kg	6010C
Magnesium		13000		1120	mg/Kg	6010C
Manganese		224		3.4	mg/Kg	6010C
Nickel		12.1		9.0	mg/Kg	6010C
Potassium		743	J	1120	mg/Kg	6010C
Sodium		370	J	1120	mg/Kg	6010C
Vanadium		29.3		11.2	mg/Kg	6010C
Zinc		132		6.7	mg/Kg	6010C
Mercury		0.097		0.018	mg/Kg	7471B
Percent Moisture		11.1		1.0	%	Moisture
Percent Solids		88.9		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-108656-6	**SB-1 (10-12)**					
Acetone		8.9		1.0	ug/Kg	8260C
Ethylbenzene		0.043	J	0.21	ug/Kg	8260C
m-Xylene & p-Xylene		0.14	J	0.21	ug/Kg	8260C
o-Xylene		0.045	J	0.21	ug/Kg	8260C
Toluene		0.051	J	0.21	ug/Kg	8260C
Aluminum		3260		49.1	mg/Kg	6010C
Barium		21.1	J	49.1	mg/Kg	6010C
Calcium		904	J	1230	mg/Kg	6010C
Chromium		8.7		2.5	mg/Kg	6010C
Cobalt		3.9	J	12.3	mg/Kg	6010C
Copper		8.4		6.1	mg/Kg	6010C
Iron		9520		36.8	mg/Kg	6010C
Lead		2.4	J	2.5	mg/Kg	6010C
Magnesium		1370		1230	mg/Kg	6010C
Manganese		104		3.7	mg/Kg	6010C
Nickel		7.2	J	9.8	mg/Kg	6010C
Potassium		423	J	1230	mg/Kg	6010C
Sodium		91.9	J	1230	mg/Kg	6010C
Vanadium		15.2		12.3	mg/Kg	6010C
Zinc		16.4		7.4	mg/Kg	6010C
Percent Moisture		20.1		1.0	%	Moisture
Percent Solids		79.9		1.0	%	Moisture
460-108656-7	**SB-1 (21-23)**					
Ethylbenzene		0.031	J	0.17	ug/Kg	8260C
Toluene		0.052	J	0.17	ug/Kg	8260C
Bis(2-ethylhexyl) phthalate		29	J	340	ug/Kg	8270D
Aluminum		2770		38.4	mg/Kg	6010C
Barium		20.1	J	38.4	mg/Kg	6010C
Calcium		759	J	960	mg/Kg	6010C
Chromium		8.5		1.9	mg/Kg	6010C
Cobalt		3.2	J	9.6	mg/Kg	6010C
Copper		6.7		4.8	mg/Kg	6010C
Iron		7890		28.8	mg/Kg	6010C
Lead		2.1		1.9	mg/Kg	6010C
Magnesium		1250		960	mg/Kg	6010C
Manganese		102		2.9	mg/Kg	6010C
Nickel		6.4	J	7.7	mg/Kg	6010C
Potassium		357	J	960	mg/Kg	6010C
Sodium		110	J	960	mg/Kg	6010C
Vanadium		12.0		9.6	mg/Kg	6010C
Zinc		14.3		5.8	mg/Kg	6010C
Percent Moisture		3.5		1.0	%	Moisture
Percent Solids		96.5		1.0	%	Moisture

METHOD SUMMARY

Client: FPM Group Limited | Job Number: 460-108656-1

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	
Microwave Extraction	TAL EDI		SW846 3546
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 (CVAA)	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: 460-108656-1

Method	Analyst	Analyst ID
SW846 8260C	Desai, Saurab	SZD
SW846 8260C	Moroney, Christopher J	CJM
SW846 8260C	Starzec, Margaret	MZS
SW846 8260C	Tupayachi, Audberto	AAT
SW846 8270D	Crocco, Michael	MMC
SW846 8270D	Szczech, Anna	AAS
SW846 8081B	Patel, Jignesh	JHP
SW846 8082A	Boykin, Carol B	CBB
SW846 6010C	Chang, Churn Der	CDC
SW846 7471B	Staib, Thomas	TJS
EPA Moisture	Armbruster, Chris	CJA

SAMPLE SUMMARY

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-108656-1	SB-4 (0-2)	Solid	02/04/2016 0900	02/05/2016 1400
460-108656-2	SB-4 (18-20)	Solid	02/04/2016 0930	02/05/2016 1400
460-108656-3	SB-2 (0-2)	Solid	02/04/2016 1000	02/05/2016 1400
460-108656-4	SB-2 (17-19)	Solid	02/04/2016 1030	02/05/2016 1400
460-108656-5	SB-1 (0-2)	Solid	02/04/2016 1100	02/05/2016 1400
460-108656-6	SB-1 (10-12)	Solid	02/04/2016 1200	02/05/2016 1400
460-108656-7	SB-1 (21-23)	Solid	02/04/2016 1130	02/05/2016 1400
460-108656-8TB	TB0204	Water	02/04/2016 0830	02/05/2016 1400

SAMPLE RESULTS

Client: FPM Group Limited | Job Number: 460-108656-1

Client Sample ID: **SB-4 (0-2)**

Lab Sample ID: 460-108656-1 | Date Sampled: 02/04/2016 0900
Client Matrix: Solid | % Moisture: 12.8 | Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350724	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19470.D
Dilution:	1.0			Initial Weight/Volume:	+029.986 g
Analysis Date:	02/17/2016 1453			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1800				

Analyte DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.19	U	0.073	0.19
1,1,2,2-Tetrachloroethane	0.19	U	0.033	0.19
1,1,2-Trichloro-1,2,2-trifluoroethane	0.19	U *	0.084	0.19
1,1,2-Trichloroethane	0.19	U	0.054	0.19
1,1-Dichloroethane	0.19	U	0.065	0.19
1,1-Dichloroethene	0.19	U	0.078	0.19
1,2,3-Trichlorobenzene	0.19	U	0.021	0.19
1,2,4-Trichlorobenzene	0.19	U	0.061	0.19
1,2-Dibromo-3-Chloropropane	0.19	U	0.090	0.19
1,2-Dichlorobenzene	0.19	U	0.027	0.19
1,2-Dichloroethane	0.19	U	0.021	0.19
1,2-Dichloropropane	0.19	U	0.033	0.19
1,3-Dichlorobenzene	0.19	U	0.023	0.19
1,4-Dichlorobenzene	0.19	U	0.025	0.19
1,4-Dioxane	3.8	U	1.2	3.8
2-Butanone (MEK)	0.96	U	0.15	0.96
2-Hexanone	0.96	U	0.18	0.96
4-Methyl-2-pentanone (MIBK)	0.96	U	0.42	0.96
Acetone	0.96	U	0.20	0.96
Benzene	0.19	U	0.038	0.19
Bromoform	0.19	U	0.025	0.19
Bromomethane	0.19	U	0.061	0.19
Carbon disulfide	0.19	U	0.082	0.19
Carbon tetrachloride	0.19	U	0.082	0.19
Chlorobenzene	0.19	U	0.027	0.19
Chlorobromomethane	0.19	U	0.033	0.19
Chlorodibromomethane	0.19	U	0.029	0.19
Chloroethane	0.19	U	0.067	0.19
Chloroform	0.19	U	0.040	0.19
Chloromethane	0.19	U	0.073	0.19
cis-1,2-Dichloroethene	0.19	U	0.042	0.19
cis-1,3-Dichloropropene	0.19	U	0.029	0.19
Cyclohexane	0.19	U	0.088	0.19
Dichlorobromomethane	0.19	U	0.073	0.19
Dichlorodifluoromethane	0.19	U	0.061	0.19
Ethylbenzene	0.19	U	0.034	0.19
Ethylene Dibromide	0.19	U	0.023	0.19
Isopropylbenzene	0.19	U	0.033	0.19
Methyl acetate	0.96	U	0.17	0.96
Methyl tert-butyl ether	0.19	U	0.033	0.19
Methylcyclohexane	0.19	U	0.096	0.19
Methylene Chloride	0.079	J	0.061	0.19
m-Xylene & p-Xylene	0.19	U	0.021	0.19
o-Xylene	0.19	U	0.031	0.19
Styrene	0.19	U	0.029	0.19
Tetrachloroethene	0.19	U	0.054	0.19

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-4 (0-2)**

Lab Sample ID: 460-108656-1
Client Matrix: Solid
% Moisture: 12.8

Date Sampled: 02/04/2016 0900
Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350724	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19470.D
Dilution:	1.0			Initial Weight/Volume:	+029.986 g
Analysis Date:	02/17/2016 1453			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1800				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Toluene		0.19	U	0.036	0.19
trans-1,2-Dichloroethene		0.19	U	0.075	0.19
trans-1,3-Dichloropropene		0.19	U	0.019	0.19
Trichloroethene		0.19	U	0.050	0.19
Trichlorofluoromethane		4.1		0.065	0.19
Vinyl chloride		0.19	U	0.075	0.19

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		78 - 135
4-Bromofluorobenzene	92		67 - 126
Dibromofluoromethane (Surr)	92		61 - 149
Toluene-d8 (Surr)	89		73 - 121

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: SB-4 (0-2)

Lab Sample ID: 460-108656-1
Client Matrix: Solid
% Moisture: 12.8

Date Sampled: 02/04/2016 0900
Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350724	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19470.D
Dilution:	1.0			Initial Weight/Volume:	+029.986 g
Analysis Date:	02/17/2016 1453			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1800				

Tentatively Identified Compounds **Number TIC's Found: 1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
544-76-3	Hexadecane	12.65	1.8	J N

Client: FPM Group Limited | Job Number: 460-108656-1

Client Sample ID: **SB-4 (18-20)**

Lab Sample ID: 460-108656-2 | Date Sampled: 02/04/2016 0930
Client Matrix: Solid | % Moisture: 3.1 | Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350890	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19489.D
Dilution:	1.0			Initial Weight/Volume:	+030.236 g
Analysis Date:	02/17/2016 2240			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1803				

Analyte DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.17	U	0.065	0.17
1,1,2,2-Tetrachloroethane	0.17	U	0.029	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	0.17	U *	0.075	0.17
1,1,2-Trichloroethane	0.17	U	0.048	0.17
1,1-Dichloroethane	0.17	U	0.058	0.17
1,1-Dichloroethene	0.17	U	0.070	0.17
1,2,3-Trichlorobenzene	0.17	U	0.019	0.17
1,2,4-Trichlorobenzene	0.17	U	0.055	0.17
1,2-Dibromo-3-Chloropropane	0.17	U	0.080	0.17
1,2-Dichlorobenzene	0.17	U	0.024	0.17
1,2-Dichloroethane	0.17	U	0.019	0.17
1,2-Dichloropropane	0.17	U	0.029	0.17
1,3-Dichlorobenzene	0.17	U	0.020	0.17
1,4-Dichlorobenzene	0.17	U	0.022	0.17
1,4-Dioxane	3.4	U	1.1	3.4
2-Butanone (MEK)	0.85	U	0.13	0.85
2-Hexanone	0.85	U	0.16	0.85
4-Methyl-2-pentanone (MIBK)	0.85	U	0.38	0.85
Acetone	0.85	U	0.18	0.85
Benzene	0.17	U	0.034	0.17
Bromoform	0.17	U	0.022	0.17
Bromomethane	0.17	U	0.055	0.17
Carbon disulfide	0.17	U	0.073	0.17
Carbon tetrachloride	0.17	U	0.073	0.17
Chlorobenzene	0.17	U	0.024	0.17
Chlorobromomethane	0.17	U	0.029	0.17
Chlorodibromomethane	0.17	U	0.026	0.17
Chloroethane	0.17	U	0.060	0.17
Chloroform	0.17	U	0.036	0.17
Chloromethane	0.17	U	0.065	0.17
cis-1,2-Dichloroethene	0.17	U	0.038	0.17
cis-1,3-Dichloropropene	0.17	U	0.026	0.17
Cyclohexane	0.17	U	0.079	0.17
Dichlorobromomethane	0.17	U	0.065	0.17
Dichlorodifluoromethane	0.17	U	0.055	0.17
Ethylbenzene	0.17	U	0.031	0.17
Ethylene Dibromide	0.17	U	0.020	0.17
Isopropylbenzene	0.17	U	0.029	0.17
Methyl acetate	0.85	U	0.15	0.85
Methyl tert-butyl ether	0.17	U	0.029	0.17
Methylcyclohexane	0.17	U	0.085	0.17
Methylene Chloride	0.078	J	0.055	0.17
m-Xylene & p-Xylene	0.17	U	0.019	0.17
o-Xylene	0.17	U	0.027	0.17
Styrene	0.17	U	0.026	0.17
Tetrachloroethene	0.17	U	0.048	0.17

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-4 (18-20)**

Lab Sample ID: 460-108656-2

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 02/04/2016 0930

Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350890	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19489.D
Dilution:	1.0			Initial Weight/Volume:	+030.236 g
Analysis Date:	02/17/2016 2240			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1803				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Toluene		0.17	U	0.032	0.17
trans-1,2-Dichloroethene		0.17	U	0.067	0.17
trans-1,3-Dichloropropene		0.17	U	0.017	0.17
Trichloroethene		0.17	U	0.044	0.17
Trichlorofluoromethane		0.17	U	0.058	0.17
Vinyl chloride		0.17	U	0.067	0.17

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		78 - 135
4-Bromofluorobenzene	93		67 - 126
Dibromofluoromethane (Surr)	91		61 - 149
Toluene-d8 (Surr)	92		73 - 121

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-4 (18-20)**

Lab Sample ID: 460-108656-2

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 02/04/2016 0930

Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350890	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19489.D
Dilution:	1.0			Initial Weight/Volume:	+030.236 g
Analysis Date:	02/17/2016 2240			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1803				

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: 460-108656-1

Client Sample ID: **SB-2 (0-2)**

Lab Sample ID: 460-108656-3

Client Matrix: Solid

% Moisture: 8.8

Date Sampled: 02/04/2016 1000

Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350890	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19488.D
Dilution:	1.0			Initial Weight/Volume:	+030.152 g
Analysis Date:	02/17/2016 2215			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1805				

Analyte DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.18	U	0.069	0.18
1,1,2,2-Tetrachloroethane	0.18	U	0.031	0.18
1,1,2-Trichloro-1,2,2-trifluoroethane	0.18	U *	0.080	0.18
1,1,2-Trichloroethane	0.18	U	0.051	0.18
1,1-Dichloroethane	0.18	U	0.062	0.18
1,1-Dichloroethene	0.18	U	0.075	0.18
1,2,3-Trichlorobenzene	0.18	U	0.020	0.18
1,2,4-Trichlorobenzene	0.18	U	0.058	0.18
1,2-Dibromo-3-Chloropropane	0.18	U	0.085	0.18
1,2-Dichlorobenzene	0.18	U	0.025	0.18
1,2-Dichloroethane	0.18	U	0.020	0.18
1,2-Dichloropropane	0.18	U	0.031	0.18
1,3-Dichlorobenzene	0.18	U	0.022	0.18
1,4-Dichlorobenzene	0.18	U	0.024	0.18
1,4-Dioxane	3.6	U	1.2	3.6
2-Butanone (MEK)	0.91	U	0.14	0.91
2-Hexanone	0.91	U	0.17	0.91
4-Methyl-2-pentanone (MIBK)	0.91	U	0.40	0.91
Acetone	0.91	U	0.19	0.91
Benzene	0.18	U	0.036	0.18
Bromoform	0.18	U	0.024	0.18
Bromomethane	0.18	U	0.058	0.18
Carbon disulfide	0.18	U	0.078	0.18
Carbon tetrachloride	0.18	U	0.078	0.18
Chlorobenzene	0.18	U	0.025	0.18
Chlorobromomethane	0.18	U	0.031	0.18
Chlorodibromomethane	0.18	U	0.027	0.18
Chloroethane	0.18	U	0.064	0.18
Chloroform	0.18	U	0.038	0.18
Chloromethane	0.18	U	0.069	0.18
cis-1,2-Dichloroethene	0.18	U	0.040	0.18
cis-1,3-Dichloropropene	0.18	U	0.027	0.18
Cyclohexane	0.18	U	0.084	0.18
Dichlorobromomethane	0.18	U	0.069	0.18
Dichlorodifluoromethane	0.18	U	0.058	0.18
Ethylbenzene	0.18	U	0.033	0.18
Ethylene Dibromide	0.18	U	0.022	0.18
Isopropylbenzene	0.18	U	0.031	0.18
Methyl acetate	0.91	U	0.16	0.91
Methyl tert-butyl ether	0.18	U	0.031	0.18
Methylcyclohexane	0.18	U	0.091	0.18
Methylene Chloride	0.074	J	0.058	0.18
m-Xylene & p-Xylene	0.18	U	0.020	0.18
o-Xylene	0.18	U	0.029	0.18
Styrene	0.18	U	0.027	0.18
Tetrachloroethene	0.13	J	0.051	0.18

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-2 (0-2)**

Lab Sample ID: 460-108656-3
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 02/04/2016 1000
Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350890	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19488.D
Dilution:	1.0			Initial Weight/Volume:	+030.152 g
Analysis Date:	02/17/2016 2215			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1805				

Analyte DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Toluene	0.18	U	0.035	0.18
trans-1,2-Dichloroethene	0.18	U	0.071	0.18
trans-1,3-Dichloropropene	0.18	U	0.018	0.18
Trichloroethene	0.18	U	0.047	0.18
Trichlorofluoromethane	0.18	U	0.062	0.18
Vinyl chloride	0.18	U	0.071	0.18

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		78 - 135
4-Bromofluorobenzene	105		67 - 126
Dibromofluoromethane (Surr)	88		61 - 149
Toluene-d8 (Surr)	102		73 - 121

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-2 (0-2)**

Lab Sample ID: 460-108656-3

Client Matrix: Solid

% Moisture: 8.8

Date Sampled: 02/04/2016 1000

Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350890	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19488.D
Dilution:	1.0			Initial Weight/Volume:	+030.152 g
Analysis Date:	02/17/2016 2215			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1805				

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: 460-108656-1

Client Sample ID: **SB-2 (17-19)**

Lab Sample ID: 460-108656-4 | Date Sampled: 02/04/2016 1030
Client Matrix: Solid | % Moisture: 3.7 | Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350890	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19490.D
Dilution:	1.0			Initial Weight/Volume:	+030.330 g
Analysis Date:	02/17/2016 2304			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1807				

Analyte DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.17	U	0.065	0.17
1,1,2,2-Tetrachloroethane	0.17	U	0.029	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	0.17	U *	0.075	0.17
1,1,2-Trichloroethane	0.17	U	0.048	0.17
1,1-Dichloroethane	0.17	U	0.058	0.17
1,1-Dichloroethene	0.17	U	0.070	0.17
1,2,3-Trichlorobenzene	0.17	U	0.019	0.17
1,2,4-Trichlorobenzene	0.17	U	0.055	0.17
1,2-Dibromo-3-Chloropropane	0.17	U	0.080	0.17
1,2-Dichlorobenzene	0.17	U	0.024	0.17
1,2-Dichloroethane	0.17	U	0.019	0.17
1,2-Dichloropropane	0.17	U	0.029	0.17
1,3-Dichlorobenzene	0.17	U	0.021	0.17
1,4-Dichlorobenzene	0.17	U	0.022	0.17
1,4-Dioxane	3.4	U	1.1	3.4
2-Butanone (MEK)	0.86	U	0.13	0.86
2-Hexanone	0.86	U	0.16	0.86
4-Methyl-2-pentanone (MIBK)	0.86	U	0.38	0.86
Acetone	0.86	U	0.18	0.86
Benzene	0.17	U	0.034	0.17
Bromoform	0.17	U	0.022	0.17
Bromomethane	0.17	U	0.055	0.17
Carbon disulfide	0.17	U	0.074	0.17
Carbon tetrachloride	0.17	U	0.074	0.17
Chlorobenzene	0.17	U	0.024	0.17
Chlorobromomethane	0.17	U	0.029	0.17
Chlorodibromomethane	0.17	U	0.026	0.17
Chloroethane	0.17	U	0.060	0.17
Chloroform	0.17	U	0.036	0.17
Chloromethane	0.17	U	0.065	0.17
cis-1,2-Dichloroethene	0.17	U	0.038	0.17
cis-1,3-Dichloropropene	0.17	U	0.026	0.17
Cyclohexane	0.17	U	0.079	0.17
Dichlorobromomethane	0.17	U	0.065	0.17
Dichlorodifluoromethane	0.17	U	0.055	0.17
Ethylbenzene	0.049	J	0.031	0.17
Ethylene Dibromide	0.17	U	0.021	0.17
Isopropylbenzene	0.17	U	0.029	0.17
Methyl acetate	0.86	U	0.15	0.86
Methyl tert-butyl ether	0.17	U	0.029	0.17
Methylcyclohexane	0.17	U	0.086	0.17
Methylene Chloride	0.17	U	0.055	0.17
m-Xylene & p-Xylene	0.15	J	0.019	0.17
o-Xylene	0.043	J	0.027	0.17
Styrene	0.17	U	0.026	0.17
Tetrachloroethene	0.17	U	0.048	0.17

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-2 (17-19)**

Lab Sample ID: 460-108656-4

Client Matrix: Solid

% Moisture: 3.7

Date Sampled: 02/04/2016 1030

Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350890	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19490.D
Dilution:	1.0			Initial Weight/Volume:	+030.330 g
Analysis Date:	02/17/2016 2304			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1807				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Toluene		0.17	U	0.033	0.17
trans-1,2-Dichloroethene		0.17	U	0.067	0.17
trans-1,3-Dichloropropene		0.17	U	0.017	0.17
Trichloroethene		0.17	U	0.044	0.17
Trichlorofluoromethane		0.17	U	0.058	0.17
Vinyl chloride		0.17	U	0.067	0.17

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		78 - 135
4-Bromofluorobenzene	107		67 - 126
Dibromofluoromethane (Surr)	106		61 - 149
Toluene-d8 (Surr)	107		73 - 121

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-2 (17-19)**

Lab Sample ID: 460-108656-4

Client Matrix: Solid

% Moisture: 3.7

Date Sampled: 02/04/2016 1030

Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350890	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19490.D
Dilution:	1.0			Initial Weight/Volume:	+030.330 g
Analysis Date:	02/17/2016 2304			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1807				

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: 460-108656-1

Client Sample ID: **SB-1 (0-2)**

Lab Sample ID: 460-108656-5

Client Matrix: Solid

% Moisture: 11.1

Date Sampled: 02/04/2016 1100

Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350724	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19474.D
Dilution:	1.0			Initial Weight/Volume:	+030.256 g
Analysis Date:	02/17/2016 1632			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1808				

Analyte DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.19	U	0.071	0.19
1,1,2,2-Tetrachloroethane	0.19	U	0.032	0.19
1,1,2-Trichloro-1,2,2-trifluoroethane	0.19	U *	0.082	0.19
1,1,2-Trichloroethane	0.19	U	0.052	0.19
1,1-Dichloroethane	0.19	U	0.063	0.19
1,1-Dichloroethene	0.19	U	0.076	0.19
1,2,3-Trichlorobenzene	0.19	U	0.020	0.19
1,2,4-Trichlorobenzene	0.19	U	0.059	0.19
1,2-Dibromo-3-Chloropropane	0.19	U	0.087	0.19
1,2-Dichlorobenzene	0.19	U	0.026	0.19
1,2-Dichloroethane	0.19	U	0.020	0.19
1,2-Dichloropropane	0.19	U	0.032	0.19
1,3-Dichlorobenzene	0.19	U	0.022	0.19
1,4-Dichlorobenzene	0.19	U	0.024	0.19
1,4-Dioxane	3.7	U	1.2	3.7
2-Butanone (MEK)	0.93	U	0.14	0.93
2-Hexanone	0.93	U	0.17	0.93
4-Methyl-2-pentanone (MIBK)	0.93	U	0.41	0.93
Acetone	0.93	U	0.20	0.93
Benzene	0.046	J	0.037	0.19
Bromoform	0.19	U	0.024	0.19
Bromomethane	0.19	U	0.059	0.19
Carbon disulfide	0.19	U	0.080	0.19
Carbon tetrachloride	0.19	U	0.080	0.19
Chlorobenzene	0.19	U	0.026	0.19
Chlorobromomethane	0.19	U	0.032	0.19
Chlorodibromomethane	0.19	U	0.028	0.19
Chloroethane	0.19	U	0.065	0.19
Chloroform	0.19	U	0.039	0.19
Chloromethane	0.19	U	0.071	0.19
cis-1,2-Dichloroethene	0.52		0.041	0.19
cis-1,3-Dichloropropene	0.19	U	0.028	0.19
Cyclohexane	0.19	U	0.086	0.19
Dichlorobromomethane	0.19	U	0.071	0.19
Dichlorodifluoromethane	0.19	U	0.059	0.19
Ethylbenzene	0.038	J	0.033	0.19
Ethylene Dibromide	0.19	U	0.022	0.19
Isopropylbenzene	0.19	U	0.032	0.19
Methyl acetate	0.93	U	0.17	0.93
Methyl tert-butyl ether	0.19	U	0.032	0.19
Methylcyclohexane	0.19	U	0.093	0.19
Methylene Chloride	0.19	U	0.059	0.19
m-Xylene & p-Xylene	0.19	U	0.020	0.19
o-Xylene	0.052	J	0.030	0.19
Styrene	0.19	U	0.028	0.19
Tetrachloroethene	6.2		0.052	0.19

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (0-2)**

Lab Sample ID: 460-108656-5

Client Matrix: Solid

% Moisture: 11.1

Date Sampled: 02/04/2016 1100

Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350724	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19474.D
Dilution:	1.0			Initial Weight/Volume:	+030.256 g
Analysis Date:	02/17/2016 1632			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1808				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Toluene		0.19	U	0.035	0.19
trans-1,2-Dichloroethene		0.19	U	0.072	0.19
trans-1,3-Dichloropropene		0.19	U	0.019	0.19
Trichloroethene		0.19	U	0.048	0.19
Trichlorofluoromethane		0.19	U	0.063	0.19
Vinyl chloride		0.19	U	0.072	0.19

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		78 - 135
4-Bromofluorobenzene	103		67 - 126
Dibromofluoromethane (Surr)	74		61 - 149
Toluene-d8 (Surr)	94		73 - 121

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (0-2)**

Lab Sample ID: 460-108656-5

Client Matrix: Solid

% Moisture: 11.1

Date Sampled: 02/04/2016 1100

Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350724	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19474.D
Dilution:	1.0			Initial Weight/Volume:	+030.256 g
Analysis Date:	02/17/2016 1632			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1808				

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: 460-108656-1

Client Sample ID: **SB-1 (10-12)**

Lab Sample ID: 460-108656-6 | Date Sampled: 02/04/2016 1200
Client Matrix: Solid | % Moisture: 20.1 | Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350975	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19525.D
Dilution:	1.0			Initial Weight/Volume:	+029.905 g
Analysis Date:	02/18/2016 1333			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1811				

Analyte DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.21	U	0.080	0.21
1,1,2,2-Tetrachloroethane	0.21	U	0.036	0.21
1,1,2-Trichloro-1,2,2-trifluoroethane	0.21	U	0.092	0.21
1,1,2-Trichloroethane	0.21	U	0.059	0.21
1,1-Dichloroethane	0.21	U	0.071	0.21
1,1-Dichloroethene	0.21	U	0.086	0.21
1,2,3-Trichlorobenzene	0.21	U	0.023	0.21
1,2,4-Trichlorobenzene	0.21	U	0.067	0.21
1,2-Dibromo-3-Chloropropane	0.21	U	0.098	0.21
1,2-Dichlorobenzene	0.21	U	0.029	0.21
1,2-Dichloroethane	0.21	U	0.023	0.21
1,2-Dichloropropane	0.21	U	0.036	0.21
1,3-Dichlorobenzene	0.21	U	0.025	0.21
1,4-Dichlorobenzene	0.21	U	0.027	0.21
1,4-Dioxane	4.2	U	1.3	4.2
2-Butanone (MEK)	1.0	U	0.16	1.0
2-Hexanone	1.0	U	0.20	1.0
4-Methyl-2-pentanone (MIBK)	1.0	U	0.46	1.0
Acetone	8.9		0.22	1.0
Benzene	0.21	U	0.042	0.21
Bromoform	0.21	U	0.027	0.21
Bromomethane	0.21	U	0.067	0.21
Carbon disulfide	0.21	U	0.090	0.21
Carbon tetrachloride	0.21	U	0.090	0.21
Chlorobenzene	0.21	U	0.029	0.21
Chlorobromomethane	0.21	U	0.036	0.21
Chlorodibromomethane	0.21	U	0.031	0.21
Chloroethane	0.21	U	0.073	0.21
Chloroform	0.21	U	0.044	0.21
Chloromethane	0.21	U	0.080	0.21
cis-1,2-Dichloroethene	0.21	U	0.046	0.21
cis-1,3-Dichloropropene	0.21	U	0.031	0.21
Cyclohexane	0.21	U	0.096	0.21
Dichlorobromomethane	0.21	U	0.080	0.21
Dichlorodifluoromethane	0.21	U	0.067	0.21
Ethylbenzene	0.043	J	0.038	0.21
Ethylene Dibromide	0.21	U	0.025	0.21
Isopropylbenzene	0.21	U	0.036	0.21
Methyl acetate	1.0	U	0.19	1.0
Methyl tert-butyl ether	0.21	U	0.036	0.21
Methylcyclohexane	0.21	U	0.10	0.21
Methylene Chloride	0.21	U	0.067	0.21
m-Xylene & p-Xylene	0.14	J	0.023	0.21
o-Xylene	0.045	J	0.033	0.21
Styrene	0.21	U	0.031	0.21
Tetrachloroethene	0.21	U	0.059	0.21

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (10-12)**

Lab Sample ID: 460-108656-6

Client Matrix: Solid

% Moisture: 20.1

Date Sampled: 02/04/2016 1200

Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350975	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19525.D
Dilution:	1.0			Initial Weight/Volume:	+029.905 g
Analysis Date:	02/18/2016 1333			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1811				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Toluene		0.051	J	0.040	0.21
trans-1,2-Dichloroethene		0.21	U	0.082	0.21
trans-1,3-Dichloropropene		0.21	U	0.021	0.21
Trichloroethene		0.21	U	0.054	0.21
Trichlorofluoromethane		0.21	U	0.071	0.21
Vinyl chloride		0.21	U	0.082	0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		78 - 135
4-Bromofluorobenzene	99		67 - 126
Dibromofluoromethane (Surr)	100		61 - 149
Toluene-d8 (Surr)	98		73 - 121

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (10-12)**

Lab Sample ID: 460-108656-6

Client Matrix: Solid

% Moisture: 20.1

Date Sampled: 02/04/2016 1200

Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350975	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19525.D
Dilution:	1.0			Initial Weight/Volume:	+029.905 g
Analysis Date:	02/18/2016 1333			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1811				

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: 460-108656-1

Client Sample ID: **SB-1 (21-23)**

Lab Sample ID: 460-108656-7 | Date Sampled: 02/04/2016 1130
Client Matrix: Solid | % Moisture: 3.5 | Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350975	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19526.D
Dilution:	1.0			Initial Weight/Volume:	+030.086 g
Analysis Date:	02/18/2016 1358			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1813				

Analyte DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.17	U	0.065	0.17
1,1,2,2-Tetrachloroethane	0.17	U	0.029	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane	0.17	U	0.076	0.17
1,1,2-Trichloroethane	0.17	U	0.048	0.17
1,1-Dichloroethane	0.17	U	0.059	0.17
1,1-Dichloroethene	0.17	U	0.071	0.17
1,2,3-Trichlorobenzene	0.17	U	0.019	0.17
1,2,4-Trichlorobenzene	0.17	U	0.055	0.17
1,2-Dibromo-3-Chloropropane	0.17	U	0.081	0.17
1,2-Dichlorobenzene	0.17	U	0.024	0.17
1,2-Dichloroethane	0.17	U	0.019	0.17
1,2-Dichloropropane	0.17	U	0.029	0.17
1,3-Dichlorobenzene	0.17	U	0.021	0.17
1,4-Dichlorobenzene	0.17	U	0.022	0.17
1,4-Dioxane	3.4	U	1.1	3.4
2-Butanone (MEK)	0.86	U	0.13	0.86
2-Hexanone	0.86	U	0.16	0.86
4-Methyl-2-pentanone (MIBK)	0.86	U	0.38	0.86
Acetone	0.86	U	0.18	0.86
Benzene	0.17	U	0.034	0.17
Bromoform	0.17	U	0.022	0.17
Bromomethane	0.17	U	0.055	0.17
Carbon disulfide	0.17	U	0.074	0.17
Carbon tetrachloride	0.17	U	0.074	0.17
Chlorobenzene	0.17	U	0.024	0.17
Chlorobromomethane	0.17	U	0.029	0.17
Chlorodibromomethane	0.17	U	0.026	0.17
Chloroethane	0.17	U	0.060	0.17
Chloroform	0.17	U	0.036	0.17
Chloromethane	0.17	U	0.065	0.17
cis-1,2-Dichloroethene	0.17	U	0.038	0.17
cis-1,3-Dichloropropene	0.17	U	0.026	0.17
Cyclohexane	0.17	U	0.079	0.17
Dichlorobromomethane	0.17	U	0.065	0.17
Dichlorodifluoromethane	0.17	U	0.055	0.17
Ethylbenzene	0.031	J	0.031	0.17
Ethylene Dibromide	0.17	U	0.021	0.17
Isopropylbenzene	0.17	U	0.029	0.17
Methyl acetate	0.86	U	0.16	0.86
Methyl tert-butyl ether	0.17	U	0.029	0.17
Methylcyclohexane	0.17	U	0.086	0.17
Methylene Chloride	0.17	U	0.055	0.17
m-Xylene & p-Xylene	0.17	U	0.019	0.17
o-Xylene	0.17	U	0.028	0.17
Styrene	0.17	U	0.026	0.17
Tetrachloroethene	0.17	U	0.048	0.17

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (21-23)**

Lab Sample ID: 460-108656-7
Client Matrix: Solid
% Moisture: 3.5

Date Sampled: 02/04/2016 1130
Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350975	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19526.D
Dilution:	1.0			Initial Weight/Volume:	+030.086 g
Analysis Date:	02/18/2016 1358			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1813				

Analyte DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Toluene	0.052	J	0.033	0.17
trans-1,2-Dichloroethene	0.17	U	0.067	0.17
trans-1,3-Dichloropropene	0.17	U	0.017	0.17
Trichloroethene	0.17	U	0.045	0.17
Trichlorofluoromethane	0.17	U	0.059	0.17
Vinyl chloride	0.17	U	0.067	0.17

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		78 - 135
4-Bromofluorobenzene	97		67 - 126
Dibromofluoromethane (Surr)	98		61 - 149
Toluene-d8 (Surr)	95		73 - 121

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (21-23)**

Lab Sample ID: 460-108656-7

Client Matrix: Solid

% Moisture: 3.5

Date Sampled: 02/04/2016 1130

Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350975	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-349493	Lab File ID:	D19526.D
Dilution:	1.0			Initial Weight/Volume:	+030.086 g
Analysis Date:	02/18/2016 1358			Final Weight/Volume:	5 mL
Prep Date:	02/06/2016 1813				

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: 460-108656-1

Client Sample ID: **TB0204**

Lab Sample ID: 460-108656-8TB

Client Matrix: Water

Date Sampled: 02/04/2016 0830

Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350709	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36413.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 1015			Final Weight/Volume:	5 mL
Prep Date:	02/17/2016 1015				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dioxane	50	U	8.7	50
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.0	U	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0
Tetrachloroethene	1.0	U	0.12	1.0

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **TB0204**

Lab Sample ID: 460-108656-8TB

Client Matrix: Water

Date Sampled: 02/04/2016 0830

Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350709	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36413.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 1015			Final Weight/Volume:	5 mL
Prep Date:	02/17/2016 1015				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Toluene	1.0	U	0.25	1.0
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	123		70 - 137
4-Bromofluorobenzene	114		70 - 131
Dibromofluoromethane (Surr)	108		72 - 136
Toluene-d8 (Surr)	98		74 - 120

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **TB0204**

Lab Sample ID: 460-108656-8TB

Client Matrix: Water

Date Sampled: 02/04/2016 0830

Date Received: 02/05/2016 1400

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-350709	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36413.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 1015			Final Weight/Volume:	5 mL
Prep Date:	02/17/2016 1015				

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: 460-108656-1

Client Sample ID: **SB-4 (0-2)**

Lab Sample ID: 460-108656-1 | Date Sampled: 02/04/2016 0900
Client Matrix: Solid | % Moisture: 12.8 | Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351930	Instrument ID:	CBNAMS11
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	z40964.D
Dilution:	1.0			Initial Weight/Volume:	15.0151 g
Analysis Date:	02/24/2016 0022			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		380	U	32	380
1,2,4,5-Tetrachlorobenzene		380	U	28	380
2,2'-oxybis[1-chloropropane]		380	U	16	380
2,3,4,6-Tetrachlorophenol		380	U	36	380
2,4,5-Trichlorophenol		380	U	38	380
2,4,6-Trichlorophenol		150	U	11	150
2,4-Dichlorophenol		150	U	8.9	150
2,4-Dimethylphenol		380	U	83	380
2,4-Dinitrophenol		300	U	290	300
2,4-Dinitrotoluene		77	U	15	77
2,6-Dinitrotoluene		77	U	20	77
2-Chloronaphthalene		380	U	8.6	380
2-Chlorophenol		380	U	9.6	380
2-Methylnaphthalene		380	U	8.4	380
2-Methylphenol		380	U	16	380
2-Nitroaniline		380	U	12	380
2-Nitrophenol		380	U	13	380
3,3'-Dichlorobenzidine		150	U	42	150
3-Nitroaniline		380	U	11	380
4,6-Dinitro-2-methylphenol		300	U	100	300
4-Bromophenyl phenyl ether		380	U	12	380
4-Chloro-3-methylphenol		380	U	16	380
4-Chloroaniline		380	U	9.7	380
4-Chlorophenyl phenyl ether		380	U	11	380
4-Methylphenol		380	U	10	380
4-Nitroaniline		380	U	14	380
4-Nitrophenol		770	U	180	770
Acenaphthene		9.3	J	9.2	380
Acenaphthylene		380	U	9.7	380
Acetophenone		380	U	8.2	380
Anthracene		380	U	36	380
Atrazine		150	U	17	150
Benzaldehyde		380	U	29	380
Benzo[a]anthracene		130		32	38
Benzo[a]pyrene		120		11	38
Benzo[b]fluoranthene		170		15	38
Benzo[g,h,i]perylene		110	J	22	380
Benzo[k]fluoranthene		78		16	38
Bis(2-chloroethoxy)methane		380	U	12	380
Bis(2-chloroethyl)ether		38	U	8.9	38
Bis(2-ethylhexyl) phthalate		87	J	15	380
Butyl benzyl phthalate		17	J	12	380
Caprolactam		380	U	27	380
Carbazole		18	J	9.4	380
Chrysene		160	J	10	380
Dibenz(a,h)anthracene		38	U	20	38

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-4 (0-2)**

Lab Sample ID: 460-108656-1

Client Matrix: Solid

% Moisture: 12.8

Date Sampled: 02/04/2016 0900

Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351930	Instrument ID:	CBNAMS11
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	z40964.D
Dilution:	1.0			Initial Weight/Volume:	15.0151 g
Analysis Date:	02/24/2016 0022			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		380	U	11	380
Diethyl phthalate		380	U	11	380
Dimethyl phthalate		380	U	11	380
Di-n-butyl phthalate		12	J	11	380
Di-n-octyl phthalate		380	U	19	380
Fluoranthene		260	J	11	380
Fluorene		12	J	8.2	380
Hexachlorobenzene		38	U	15	38
Hexachlorobutadiene		77	U	11	77
Hexachlorocyclopentadiene		380	U	24	380
Hexachloroethane		38	U	14	38
Indeno[1,2,3-cd]pyrene		120		25	38
Isophorone		150	U *	8.1	150
Naphthalene		380	U	9.6	380
Nitrobenzene		38	U	12	38
N-Nitrosodi-n-propylamine		38	U	13	38
N-Nitrosodiphenylamine		380	U	34	380
Pentachlorophenol		300	U	46	300
Phenanthrene		170	J	10	380
Phenol		380	U	12	380
Pyrene		210	J	17	380

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	39		10 - 95
2-Fluorobiphenyl	71		27 - 84
2-Fluorophenol (Surr)	61		21 - 84
Nitrobenzene-d5 (Surr)	74		28 - 92
Phenol-d5 (Surr)	66		22 - 88
Terphenyl-d14 (Surr)	77		16 - 114

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-4 (0-2)**

Lab Sample ID: 460-108656-1
Client Matrix: Solid
% Moisture: 12.8

Date Sampled: 02/04/2016 0900
Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351930	Instrument ID:	CBNAMS11
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	z40964.D
Dilution:	1.0			Initial Weight/Volume:	15.0151 g
Analysis Date:	02/24/2016 0022			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found: 1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	5.77	330	J

Client: FPM Group Limited | Job Number: 460-108656-1

Client Sample ID: **SB-4 (18-20)**

Lab Sample ID: 460-108656-2 | Date Sampled: 02/04/2016 0930
Client Matrix: Solid | % Moisture: 3.1 | Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351868	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	L130714.D
Dilution:	1.0			Initial Weight/Volume:	15.0332 g
Analysis Date:	02/23/2016 0753			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	29	340
1,2,4,5-Tetrachlorobenzene		340	U	25	340
2,2'-oxybis[1-chloropropane]		340	U	14	340
2,3,4,6-Tetrachlorophenol		340	U	32	340
2,4,5-Trichlorophenol		340	U	34	340
2,4,6-Trichlorophenol		140	U	9.7	140
2,4-Dichlorophenol		140	U	8.0	140
2,4-Dimethylphenol		340	U	75	340
2,4-Dinitrophenol		270	U	260	270
2,4-Dinitrotoluene		69	U	13	69
2,6-Dinitrotoluene		69	U	18	69
2-Chloronaphthalene		340	U	7.7	340
2-Chlorophenol		340	U	8.7	340
2-Methylnaphthalene		340	U	7.5	340
2-Methylphenol		340	U	15	340
2-Nitroaniline		340	U	11	340
2-Nitrophenol		340	U	11	340
3,3'-Dichlorobenzidine		140	U	38	140
3-Nitroaniline		340	U	10	340
4,6-Dinitro-2-methylphenol		270	U	91	270
4-Bromophenyl phenyl ether		340	U	11	340
4-Chloro-3-methylphenol		340	U	15	340
4-Chloroaniline		340	U	8.8	340
4-Chlorophenyl phenyl ether		340	U	10	340
4-Methylphenol		340	U	9.3	340
4-Nitroaniline		340	U	13	340
4-Nitrophenol		690	U	160	690
Acenaphthene		340	U	8.2	340
Acenaphthylene		340	U	8.8	340
Acetophenone		340	U	7.4	340
Anthracene		340	U	32	340
Atrazine		140	U	15	140
Benzaldehyde		340	U	26	340
Benzo[a]anthracene		34	U	28	34
Benzo[a]pyrene		34	U	10	34
Benzo[b]fluoranthene		34	U	13	34
Benzo[g,h,i]perylene		340	U	20	340
Benzo[k]fluoranthene		34	U	15	34
Bis(2-chloroethoxy)methane		340	U	11	340
Bis(2-chloroethyl)ether		34	U	8.0	34
Bis(2-ethylhexyl) phthalate		340	U	13	340
Butyl benzyl phthalate		340	U	11	340
Caprolactam		340	U	25	340
Carbazole		340	U	8.4	340
Chrysene		340	U	9.3	340
Dibenz(a,h)anthracene		34	U	18	34

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-4 (18-20)**

Lab Sample ID: 460-108656-2

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 02/04/2016 0930

Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351868	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	L130714.D
Dilution:	1.0			Initial Weight/Volume:	15.0332 g
Analysis Date:	02/23/2016 0753			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	10	340
Diethyl phthalate		340	U	9.7	340
Dimethyl phthalate		340	U	9.9	340
Di-n-butyl phthalate		340	U	10	340
Di-n-octyl phthalate		340	U	17	340
Fluoranthene		340	U	10	340
Fluorene		340	U	7.4	340
Hexachlorobenzene		34	U	14	34
Hexachlorobutadiene		69	U	9.6	69
Hexachlorocyclopentadiene		340	U	21	340
Hexachloroethane		34	U	12	34
Indeno[1,2,3-cd]pyrene		34	U	23	34
Isophorone		140	U *	7.3	140
Naphthalene		340	U	8.7	340
Nitrobenzene		34	U	11	34
N-Nitrosodi-n-propylamine		34	U	11	34
N-Nitrosodiphenylamine		340	U	31	340
Pentachlorophenol		270	U	41	270
Phenanthrene		340	U	9.1	340
Phenol		340	U	11	340
Pyrene		340	U	15	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	43		10 - 95
2-Fluorobiphenyl	57		27 - 84
2-Fluorophenol (Surr)	52		21 - 84
Nitrobenzene-d5 (Surr)	59		28 - 92
Phenol-d5 (Surr)	49		22 - 88
Terphenyl-d14 (Surr)	69		16 - 114

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-4 (18-20)**

Lab Sample ID: 460-108656-2
Client Matrix: Solid
% Moisture: 3.1

Date Sampled: 02/04/2016 0930
Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351868	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	L130714.D
Dilution:	1.0			Initial Weight/Volume:	15.0332 g
Analysis Date:	02/23/2016 0753			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			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: 460-108656-1

Client Sample ID: **SB-2 (0-2)**

Lab Sample ID: 460-108656-3 | Date Sampled: 02/04/2016 1000
Client Matrix: Solid | % Moisture: 8.8 | Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351868	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	L130716.D
Dilution:	2.0			Initial Weight/Volume:	15.0477 g
Analysis Date:	02/23/2016 0846			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		720	U	62	720
1,2,4,5-Tetrachlorobenzene		720	U	54	720
2,2'-oxybis[1-chloropropane]		720	U	30	720
2,3,4,6-Tetrachlorophenol		720	U	68	720
2,4,5-Trichlorophenol		720	U	72	720
2,4,6-Trichlorophenol		290	U	21	290
2,4-Dichlorophenol		290	U	17	290
2,4-Dimethylphenol		720	U	160	720
2,4-Dinitrophenol		580	U	550	580
2,4-Dinitrotoluene		150	U	29	150
2,6-Dinitrotoluene		150	U	38	150
2-Chloronaphthalene		720	U	16	720
2-Chlorophenol		720	U	18	720
2-Methylnaphthalene		19	J	16	720
2-Methylphenol		720	U	31	720
2-Nitroaniline		720	U	24	720
2-Nitrophenol		720	U	24	720
3,3'-Dichlorobenzidine		290	U	81	290
3-Nitroaniline		720	U	21	720
4,6-Dinitro-2-methylphenol		580	U	190	580
4-Bromophenyl phenyl ether		720	U	23	720
4-Chloro-3-methylphenol		720	U	31	720
4-Chloroaniline		720	U	19	720
4-Chlorophenyl phenyl ether		720	U	22	720
4-Methylphenol		720	U	20	720
4-Nitroaniline		720	U	27	720
4-Nitrophenol		1500	U	350	1500
Acenaphthene		720	U	17	720
Acenaphthylene		720	U	19	720
Acetophenone		720	U	16	720
Anthracene		720	U	69	720
Atrazine		290	U	32	290
Benzaldehyde		720	U	55	720
Benzo[a]anthracene		100		60	72
Benzo[a]pyrene		89		22	72
Benzo[b]fluoranthene		130		28	72
Benzo[g,h,i]perylene		110	J	42	720
Benzo[k]fluoranthene		52	J	31	72
Bis(2-chloroethoxy)methane		720	U	23	720
Bis(2-chloroethyl)ether		72	U	17	72
Bis(2-ethylhexyl) phthalate		720	U	28	720
Butyl benzyl phthalate		720	U	22	720
Caprolactam		720	U	52	720
Carbazole		720	U	18	720
Chrysene		110	J	20	720
Dibenz(a,h)anthracene		72	U	38	72

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-2 (0-2)**

Lab Sample ID: 460-108656-3

Client Matrix: Solid

% Moisture: 8.8

Date Sampled: 02/04/2016 1000

Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351868	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	L130716.D
Dilution:	2.0			Initial Weight/Volume:	15.0477 g
Analysis Date:	02/23/2016 0846			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		720	U	22	720
Diethyl phthalate		720	U	21	720
Dimethyl phthalate		720	U	21	720
Di-n-butyl phthalate		720	U	22	720
Di-n-octyl phthalate		720	U	37	720
Fluoranthene		180	J	21	720
Fluorene		720	U	16	720
Hexachlorobenzene		72	U	29	72
Hexachlorobutadiene		150	U	20	150
Hexachlorocyclopentadiene		720	U	45	720
Hexachloroethane		72	U	26	72
Indeno[1,2,3-cd]pyrene		110		48	72
Isophorone		290	U *	16	290
Naphthalene		22	J	18	720
Nitrobenzene		72	U	23	72
N-Nitrosodi-n-propylamine		72	U	24	72
N-Nitrosodiphenylamine		720	U	66	720
Pentachlorophenol		580	U	87	580
Phenanthrene		85	J	19	720
Phenol		720	U	24	720
Pyrene		140	J	33	720

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	40		10 - 95
2-Fluorobiphenyl	49		27 - 84
2-Fluorophenol (Surr)	42		21 - 84
Nitrobenzene-d5 (Surr)	48		28 - 92
Phenol-d5 (Surr)	40		22 - 88
Terphenyl-d14 (Surr)	54		16 - 114

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-2 (0-2)**

Lab Sample ID: 460-108656-3
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 02/04/2016 1000
Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351868	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	L130716.D
Dilution:	2.0			Initial Weight/Volume:	15.0477 g
Analysis Date:	02/23/2016 0846			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			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: 460-108656-1

Client Sample ID: **SB-2 (17-19)**

Lab Sample ID: 460-108656-4 | Date Sampled: 02/04/2016 1030
Client Matrix: Solid | % Moisture: 3.7 | Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351636	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	L130661.D
Dilution:	1.0			Initial Weight/Volume:	15.0223 g
Analysis Date:	02/22/2016 0539			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	29	340
1,2,4,5-Tetrachlorobenzene		340	U	25	340
2,2'-oxybis[1-chloropropane]		340	U	14	340
2,3,4,6-Tetrachlorophenol		340	U	32	340
2,4,5-Trichlorophenol		340	U	34	340
2,4,6-Trichlorophenol		140	U	9.7	140
2,4-Dichlorophenol		140	U	8.1	140
2,4-Dimethylphenol		340	U	75	340
2,4-Dinitrophenol		280	U	260	280
2,4-Dinitrotoluene		69	U	14	69
2,6-Dinitrotoluene		69	U	18	69
2-Chloronaphthalene		340	U	7.8	340
2-Chlorophenol		340	U	8.7	340
2-Methylnaphthalene		340	U	7.6	340
2-Methylphenol		340	U	15	340
2-Nitroaniline		340	U	11	340
2-Nitrophenol		340	U	12	340
3,3'-Dichlorobenzidine		140	U	38	140
3-Nitroaniline		340	U	10	340
4,6-Dinitro-2-methylphenol		280	U	91	280
4-Bromophenyl phenyl ether		340	U	11	340
4-Chloro-3-methylphenol		340	U	15	340
4-Chloroaniline		340	U	8.8	340
4-Chlorophenyl phenyl ether		340	U	10	340
4-Methylphenol		340	U	9.3	340
4-Nitroaniline		340	U	13	340
4-Nitrophenol		690	U	160	690
Acenaphthene		340	U	8.3	340
Acenaphthylene		340	U	8.8	340
Acetophenone		340	U	7.5	340
Anthracene		340	U	33	340
Atrazine		140	U	15	140
Benzaldehyde		340	U	26	340
Benzo[a]anthracene		34	U	29	34
Benzo[a]pyrene		34	U	10	34
Benzo[b]fluoranthene		34	U	13	34
Benzo[g,h,i]perylene		340	U	20	340
Benzo[k]fluoranthene		34	U	15	34
Bis(2-chloroethoxy)methane		340	U	11	340
Bis(2-chloroethyl)ether		34	U	8.1	34
Bis(2-ethylhexyl) phthalate		340	U	13	340
Butyl benzyl phthalate		340	U	11	340
Caprolactam		340	U	25	340
Carbazole		340	U	8.5	340
Chrysene		340	U	9.3	340
Dibenz(a,h)anthracene		34	U	18	34

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-2 (17-19)**

Lab Sample ID: 460-108656-4

Client Matrix: Solid

% Moisture: 3.7

Date Sampled: 02/04/2016 1030

Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351636	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	L130661.D
Dilution:	1.0			Initial Weight/Volume:	15.0223 g
Analysis Date:	02/22/2016 0539			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	10	340
Diethyl phthalate		340	U	9.7	340
Dimethyl phthalate		340	U	10	340
Di-n-butyl phthalate		340	U	10	340
Di-n-octyl phthalate		340	U	17	340
Fluoranthene		340	U	10	340
Fluorene		340	U	7.5	340
Hexachlorobenzene		34	U	14	34
Hexachlorobutadiene		69	U	9.6	69
Hexachlorocyclopentadiene		340	U	21	340
Hexachloroethane		34	U	13	34
Indeno[1,2,3-cd]pyrene		34	U	23	34
Isophorone		140	U *	7.4	140
Naphthalene		340	U	8.7	340
Nitrobenzene		34	U	11	34
N-Nitrosodi-n-propylamine		34	U	12	34
N-Nitrosodiphenylamine		340	U	31	340
Pentachlorophenol		280	U	41	280
Phenanthrene		340	U	9.1	340
Phenol		340	U	11	340
Pyrene		340	U	16	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	55		10 - 95
2-Fluorobiphenyl	59		27 - 84
2-Fluorophenol (Surr)	57		21 - 84
Nitrobenzene-d5 (Surr)	60		28 - 92
Phenol-d5 (Surr)	56		22 - 88
Terphenyl-d14 (Surr)	74		16 - 114

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-2 (17-19)**

Lab Sample ID: 460-108656-4

Client Matrix: Solid

% Moisture: 3.7

Date Sampled: 02/04/2016 1030

Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351636	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	L130661.D
Dilution:	1.0			Initial Weight/Volume:	15.0223 g
Analysis Date:	02/22/2016 0539			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			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: 460-108656-1

Client Sample ID: **SB-1 (0-2)**

Lab Sample ID: 460-108656-5 | Date Sampled: 02/04/2016 1100
Client Matrix: Solid | % Moisture: 11.1 | Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351868	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	L130717.D
Dilution:	2.0			Initial Weight/Volume:	15.0118 g
Analysis Date:	02/23/2016 0912			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL

Analyte DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl	740	U	63	740
1,2,4,5-Tetrachlorobenzene	740	U	55	740
2,2'-oxybis[1-chloropropane]	740	U	31	740
2,3,4,6-Tetrachlorophenol	740	U	70	740
2,4,5-Trichlorophenol	740	U	74	740
2,4,6-Trichlorophenol	300	U	21	300
2,4-Dichlorophenol	300	U	18	300
2,4-Dimethylphenol	740	U	160	740
2,4-Dinitrophenol	600	U	560	600
2,4-Dinitrotoluene	150	U	29	150
2,6-Dinitrotoluene	150	U	40	150
2-Chloronaphthalene	740	U	17	740
2-Chlorophenol	740	U	19	740
2-Methylnaphthalene	160	J	16	740
2-Methylphenol	740	U	32	740
2-Nitroaniline	740	U	25	740
2-Nitrophenol	740	U	25	740
3,3'-Dichlorobenzidine	300	U	83	300
3-Nitroaniline	740	U	22	740
4,6-Dinitro-2-methylphenol	600	U	200	600
4-Bromophenyl phenyl ether	740	U	23	740
4-Chloro-3-methylphenol	740	U	32	740
4-Chloroaniline	740	U	19	740
4-Chlorophenyl phenyl ether	740	U	22	740
4-Methylphenol	740	U	20	740
4-Nitroaniline	740	U	28	740
4-Nitrophenol	1500	U	360	1500
Acenaphthene	380	J	18	740
Acenaphthylene	89	J	19	740
Acetophenone	740	U	16	740
Anthracene	2400		71	740
Atrazine	300	U	33	300
Benzaldehyde	740	U	57	740
Benzo[a]anthracene	6300		62	74
Benzo[a]pyrene	5100		22	74
Benzo[b]fluoranthene	6400		29	74
Benzo[g,h,i]perylene	3900		43	740
Benzo[k]fluoranthene	2600		32	74
Bis(2-chloroethoxy)methane	740	U	23	740
Bis(2-chloroethyl)ether	74	U	18	74
Bis(2-ethylhexyl) phthalate	740	U	29	740
Butyl benzyl phthalate	740	U	23	740
Caprolactam	740	U	53	740
Carbazole	880		18	740
Chrysene	6300		20	740
Dibenz(a,h)anthracene	1300		39	74

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (0-2)**

Lab Sample ID: 460-108656-5

Client Matrix: Solid

% Moisture: 11.1

Date Sampled: 02/04/2016 1100

Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351868	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	L130717.D
Dilution:	2.0			Initial Weight/Volume:	15.0118 g
Analysis Date:	02/23/2016 0912			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		740		22	740
Diethyl phthalate		740	U	21	740
Dimethyl phthalate		740	U	22	740
Di-n-butyl phthalate		740	U	22	740
Di-n-octyl phthalate		740	U	38	740
Fluoranthene		15000		22	740
Fluorene		700	J	16	740
Hexachlorobenzene		74	U	30	74
Hexachlorobutadiene		150	U	21	150
Hexachlorocyclopentadiene		740	U	46	740
Hexachloroethane		74	U	27	74
Indeno[1,2,3-cd]pyrene		4500		49	74
Isophorone		120	J *	16	300
Naphthalene		140	J	19	740
Nitrobenzene		74	U	23	74
N-Nitrosodi-n-propylamine		74	U	25	74
N-Nitrosodiphenylamine		740	U	67	740
Pentachlorophenol		600	U	90	600
Phenanthrene		10000		20	740
Phenol		740	U	24	740
Pyrene		9100		34	740

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	7	*	10 - 95
2-Fluorobiphenyl	52		27 - 84
2-Fluorophenol (Surr)	27		21 - 84
Nitrobenzene-d5 (Surr)	49		28 - 92
Phenol-d5 (Surr)	38		22 - 88
Terphenyl-d14 (Surr)	54		16 - 114

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (0-2)**

Lab Sample ID: 460-108656-5

Client Matrix: Solid

% Moisture: 11.1

Date Sampled: 02/04/2016 1100

Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351868	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	L130717.D
Dilution:	2.0			Initial Weight/Volume:	15.0118 g
Analysis Date:	02/23/2016 0912			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found: 11**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	5.33	3200	J
	Unknown	5.65	3900	J
2531-84-2	Phenanthrene, 2-methyl-	9.43	1500	J N
	Unknown	9.50	2000	J
479-79-8	11H-Benzo[a]fluoren-11-one	11.22	690	J N
479-79-8	11H-Benzo[a]fluoren-11-one	11.46	610	J N
1705-84-6	Triphenylene, 2-methyl-	12.17	660	J N
192-97-2	Benzo[e]pyrene	13.43	3600	J N
198-55-0	Perylene	13.61	1300	J N
193-43-1	Indeno[1,2,3-cd]fluoranthene	14.89	1800	J N
5385-75-1	Dibenz(a,e)aceanthrylene	17.02	1300	J N

Client: FPM Group Limited | Job Number: 460-108656-1

Client Sample ID: **SB-1 (10-12)**

Lab Sample ID: 460-108656-6 | Date Sampled: 02/04/2016 1200
Client Matrix: Solid | % Moisture: 20.1 | Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351636	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	L130662.D
Dilution:	1.0			Initial Weight/Volume:	15.0474 g
Analysis Date:	02/22/2016 0606			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		410	U	35	410
1,2,4,5-Tetrachlorobenzene		410	U	31	410
2,2'-oxybis[1-chloropropane]		410	U	17	410
2,3,4,6-Tetrachlorophenol		410	U	39	410
2,4,5-Trichlorophenol		410	U	41	410
2,4,6-Trichlorophenol		170	U	12	170
2,4-Dichlorophenol		170	U	9.7	170
2,4-Dimethylphenol		410	U	91	410
2,4-Dinitrophenol		330	U	310	330
2,4-Dinitrotoluene		84	U	16	84
2,6-Dinitrotoluene		84	U	22	84
2-Chloronaphthalene		410	U	9.4	410
2-Chlorophenol		410	U	10	410
2-Methylnaphthalene		410	U	9.1	410
2-Methylphenol		410	U	18	410
2-Nitroaniline		410	U	14	410
2-Nitrophenol		410	U	14	410
3,3'-Dichlorobenzidine		170	U	46	170
3-Nitroaniline		410	U	12	410
4,6-Dinitro-2-methylphenol		330	U	110	330
4-Bromophenyl phenyl ether		410	U	13	410
4-Chloro-3-methylphenol		410	U	18	410
4-Chloroaniline		410	U	11	410
4-Chlorophenyl phenyl ether		410	U	12	410
4-Methylphenol		410	U	11	410
4-Nitroaniline		410	U	16	410
4-Nitrophenol		840	U	200	840
Acenaphthene		410	U	10	410
Acenaphthylene		410	U	11	410
Acetophenone		410	U	9.0	410
Anthracene		410	U	39	410
Atrazine		170	U	18	170
Benzaldehyde		410	U	31	410
Benzo[a]anthracene		41	U	34	41
Benzo[a]pyrene		41	U	12	41
Benzo[b]fluoranthene		41	U	16	41
Benzo[g,h,i]perylene		410	U	24	410
Benzo[k]fluoranthene		41	U	18	41
Bis(2-chloroethoxy)methane		410	U	13	410
Bis(2-chloroethyl)ether		41	U	9.7	41
Bis(2-ethylhexyl) phthalate		410	U	16	410
Butyl benzyl phthalate		410	U	13	410
Caprolactam		410	U	30	410
Carbazole		410	U	10	410
Chrysene		410	U	11	410
Dibenz(a,h)anthracene		41	U	21	41

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (10-12)**

Lab Sample ID: 460-108656-6

Client Matrix: Solid

% Moisture: 20.1

Date Sampled: 02/04/2016 1200

Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351636	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	L130662.D
Dilution:	1.0			Initial Weight/Volume:	15.0474 g
Analysis Date:	02/22/2016 0606			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		410	U	12	410
Diethyl phthalate		410	U	12	410
Dimethyl phthalate		410	U	12	410
Di-n-butyl phthalate		410	U	12	410
Di-n-octyl phthalate		410	U	21	410
Fluoranthene		410	U	12	410
Fluorene		410	U	9.0	410
Hexachlorobenzene		41	U	17	41
Hexachlorobutadiene		84	U	12	84
Hexachlorocyclopentadiene		410	U	26	410
Hexachloroethane		41	U	15	41
Indeno[1,2,3-cd]pyrene		41	U	27	41
Isophorone		170	U *	8.9	170
Naphthalene		410	U	10	410
Nitrobenzene		41	U	13	41
N-Nitrosodi-n-propylamine		41	U	14	41
N-Nitrosodiphenylamine		410	U	37	410
Pentachlorophenol		330	U	50	330
Phenanthrene		410	U	11	410
Phenol		410	U	13	410
Pyrene		410	U	19	410

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	62		10 - 95
2-Fluorobiphenyl	57		27 - 84
2-Fluorophenol (Surr)	55		21 - 84
Nitrobenzene-d5 (Surr)	58		28 - 92
Phenol-d5 (Surr)	55		22 - 88
Terphenyl-d14 (Surr)	73		16 - 114

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (10-12)**

Lab Sample ID: 460-108656-6

Client Matrix: Solid

% Moisture: 20.1

Date Sampled: 02/04/2016 1200

Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351636	Instrument ID:	CBNAMS12
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	L130662.D
Dilution:	1.0			Initial Weight/Volume:	15.0474 g
Analysis Date:	02/22/2016 0606			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			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: 460-108656-1

Client Sample ID: **SB-1 (21-23)**

Lab Sample ID: 460-108656-7 | Date Sampled: 02/04/2016 1130
Client Matrix: Solid | % Moisture: 3.5 | Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351120	Instrument ID:	CBNAMS5
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	x10813.D
Dilution:	1.0			Initial Weight/Volume:	15.0222 g
Analysis Date:	02/19/2016 1036			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	29	340
1,2,4,5-Tetrachlorobenzene		340	U	25	340
2,2'-oxybis[1-chloropropane]		340	U	14	340
2,3,4,6-Tetrachlorophenol		340	U	32	340
2,4,5-Trichlorophenol		340	U	34	340
2,4,6-Trichlorophenol		140	U	9.7	140
2,4-Dichlorophenol		140	U	8.1	140
2,4-Dimethylphenol		340	U	75	340
2,4-Dinitrophenol		280	U	260	280
2,4-Dinitrotoluene		69	U	14	69
2,6-Dinitrotoluene		69	U	18	69
2-Chloronaphthalene		340	U	7.8	340
2-Chlorophenol		340	U	8.7	340
2-Methylnaphthalene		340	U	7.6	340
2-Methylphenol		340	U	15	340
2-Nitroaniline		340	U	11	340
2-Nitrophenol		340	U	11	340
3,3'-Dichlorobenzidine		140	U	38	140
3-Nitroaniline		340	U	10	340
4,6-Dinitro-2-methylphenol		280	U	91	280
4-Bromophenyl phenyl ether		340	U	11	340
4-Chloro-3-methylphenol		340	U	15	340
4-Chloroaniline		340	U	8.8	340
4-Chlorophenyl phenyl ether		340	U	10	340
4-Methylphenol		340	U	9.3	340
4-Nitroaniline		340	U	13	340
4-Nitrophenol		690	U	160	690
Acenaphthene		340	U	8.3	340
Acenaphthylene		340	U	8.8	340
Acetophenone		340	U	7.5	340
Anthracene		340	U	33	340
Atrazine		140	U	15	140
Benzaldehyde		340	U	26	340
Benzo[a]anthracene		34	U	29	34
Benzo[a]pyrene		34	U	10	34
Benzo[b]fluoranthene		34	U	13	34
Benzo[g,h,i]perylene		340	U	20	340
Benzo[k]fluoranthene		34	U	15	34
Bis(2-chloroethoxy)methane		340	U	11	340
Bis(2-chloroethyl)ether		34	U	8.1	34
Bis(2-ethylhexyl) phthalate		29	J	13	340
Butyl benzyl phthalate		340	U	11	340
Caprolactam		340	U	25	340
Carbazole		340	U	8.5	340
Chrysene		340	U	9.3	340
Dibenz(a,h)anthracene		34	U	18	34

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (21-23)**

Lab Sample ID: 460-108656-7

Client Matrix: Solid

% Moisture: 3.5

Date Sampled: 02/04/2016 1130

Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351120	Instrument ID:	CBNAMS5
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	x10813.D
Dilution:	1.0			Initial Weight/Volume:	15.0222 g
Analysis Date:	02/19/2016 1036			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	10	340
Diethyl phthalate		340	U	9.7	340
Dimethyl phthalate		340	U	9.9	340
Di-n-butyl phthalate		340	U	10	340
Di-n-octyl phthalate		340	U	17	340
Fluoranthene		340	U	10	340
Fluorene		340	U	7.5	340
Hexachlorobenzene		34	U	14	34
Hexachlorobutadiene		69	U	9.6	69
Hexachlorocyclopentadiene		340	U	21	340
Hexachloroethane		34	U	13	34
Indeno[1,2,3-cd]pyrene		34	U	23	34
Isophorone		140	U *	7.3	140
Naphthalene		340	U	8.7	340
Nitrobenzene		34	U	11	34
N-Nitrosodi-n-propylamine		34	U	11	34
N-Nitrosodiphenylamine		340	U	31	340
Pentachlorophenol		280	U	41	280
Phenanthrene		340	U	9.1	340
Phenol		340	U	11	340
Pyrene		340	U	16	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	62		10 - 95
2-Fluorobiphenyl	63		27 - 84
2-Fluorophenol (Surr)	61		21 - 84
Nitrobenzene-d5 (Surr)	69		28 - 92
Phenol-d5 (Surr)	64		22 - 88
Terphenyl-d14 (Surr)	76		16 - 114

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (21-23)**

Lab Sample ID: 460-108656-7
Client Matrix: Solid
% Moisture: 3.5

Date Sampled: 02/04/2016 1130
Date Received: 02/05/2016 1400

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351120	Instrument ID:	CBNAMS5
Prep Method:	3546	Prep Batch:	460-349730	Lab File ID:	x10813.D
Dilution:	1.0			Initial Weight/Volume:	15.0222 g
Analysis Date:	02/19/2016 1036			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			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: 460-108656-1

Client Sample ID: **SB-4 (0-2)**

Lab Sample ID: 460-108656-1

Client Matrix: Solid

% Moisture: 12.8

Date Sampled: 02/04/2016 0900

Date Received: 02/05/2016 1400

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349684	Initial Weight/Volume:	15.0071 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1234			Injection Volume:	1 uL
Prep Date:	02/11/2016 0422			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.7	U	1.0	7.7
4,4'-DDE		7.7	U	1.1	7.7
4,4'-DDT		7.7	U	0.79	7.7
Aldrin		7.7	U	0.93	7.7
alpha-BHC		2.3	U	0.70	2.3
beta-BHC		2.3	U	0.75	2.3
Chlordane (technical)		77	U	34	77
delta-BHC		2.3	U	0.84	2.3
Dieldrin		2.3	U	1.0	2.3
Endosulfan I		7.7	U	1.1	7.7
Endosulfan II		7.7	U	1.2	7.7
Endosulfan sulfate		7.7	U	0.89	7.7
Endrin		7.7	U	0.97	7.7
Endrin aldehyde		7.7	U	0.95	7.7
Endrin ketone		7.7	U	1.1	7.7
gamma-BHC (Lindane)		2.3	U	0.69	2.3
Heptachlor		7.7	U	0.99	7.7
Heptachlor epoxide		7.7	U	1.5	7.7
Methoxychlor		7.7	U	1.6	7.7
Toxaphene		77	U	22	77

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	113		55 - 148
Tetrachloro-m-xylene	134		55 - 139

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-4 (0-2)**

Lab Sample ID: 460-108656-1
Client Matrix: Solid
% Moisture: 12.8

Date Sampled: 02/04/2016 0900
Date Received: 02/05/2016 1400

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349684	Initial Weight/Volume:	15.0071 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1234			Injection Volume:	1 uL
Prep Date:	02/11/2016 0422			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	111		55 - 148
Tetrachloro-m-xylene	106		55 - 139

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-4 (18-20)**

Lab Sample ID: 460-108656-2

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 02/04/2016 0930

Date Received: 02/05/2016 1400

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349684	Initial Weight/Volume:	15.0011 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1247			Injection Volume:	1 uL
Prep Date:	02/11/2016 0422			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		6.9	U	0.91	6.9
4,4'-DDE		6.9	U	1.0	6.9
4,4'-DDT		6.9	U	0.71	6.9
Aldrin		6.9	U	0.84	6.9
alpha-BHC		2.1	U	0.63	2.1
beta-BHC		2.1	U	0.67	2.1
Chlordane (technical)		69	U	30	69
delta-BHC		2.1	U	0.75	2.1
Dieldrin		2.1	U	0.90	2.1
Endosulfan I		6.9	U	0.96	6.9
Endosulfan II		6.9	U	1.1	6.9
Endosulfan sulfate		6.9	U	0.81	6.9
Endrin		6.9	U	0.88	6.9
Endrin aldehyde		6.9	U	0.86	6.9
Endrin ketone		6.9	U	0.96	6.9
gamma-BHC (Lindane)		2.1	U	0.62	2.1
Heptachlor		6.9	U	0.89	6.9
Heptachlor epoxide		6.9	U	1.4	6.9
Methoxychlor		6.9	U	1.5	6.9
Toxaphene		69	U	20	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	115		55 - 148
Tetrachloro-m-xylene	122		55 - 139

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-4 (18-20)**

Lab Sample ID: 460-108656-2
Client Matrix: Solid
% Moisture: 3.1

Date Sampled: 02/04/2016 0930
Date Received: 02/05/2016 1400

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349684	Initial Weight/Volume:	15.0011 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1247			Injection Volume:	1 uL
Prep Date:	02/11/2016 0422			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	111		55 - 148
Tetrachloro-m-xylene	108		55 - 139

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-2 (0-2)**

Lab Sample ID: 460-108656-3

Client Matrix: Solid

% Moisture: 8.8

Date Sampled: 02/04/2016 1000

Date Received: 02/05/2016 1400

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349684	Initial Weight/Volume:	15.0080 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1300			Injection Volume:	1 uL
Prep Date:	02/11/2016 0422			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.3	U	0.96	7.3
4,4'-DDE		7.3	U	1.1	7.3
4,4'-DDT		7.3	U	0.76	7.3
Aldrin		7.3	U	0.89	7.3
alpha-BHC		2.2	U	0.67	2.2
beta-BHC		2.2	U	0.71	2.2
Chlordane (technical)		73	U	32	73
delta-BHC		2.2	U	0.80	2.2
Dieldrin		2.2	U	0.95	2.2
Endosulfan I		7.3	U	1.0	7.3
Endosulfan II		7.3	U	1.2	7.3
Endosulfan sulfate		7.3	U	0.85	7.3
Endrin		7.3	U	0.93	7.3
Endrin aldehyde		7.3	U	0.91	7.3
Endrin ketone		7.3	U	1.0	7.3
gamma-BHC (Lindane)		2.2	U	0.66	2.2
Heptachlor		7.3	U	0.94	7.3
Heptachlor epoxide		7.3	U	1.4	7.3
Methoxychlor		7.3	U	1.6	7.3
Toxaphene		73	U	21	73

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	120		55 - 148
Tetrachloro-m-xylene	111		55 - 139

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-2 (0-2)**

Lab Sample ID: 460-108656-3
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 02/04/2016 1000
Date Received: 02/05/2016 1400

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349684	Initial Weight/Volume:	15.0080 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1300			Injection Volume:	1 uL
Prep Date:	02/11/2016 0422			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	115		55 - 148
Tetrachloro-m-xylene	110		55 - 139

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-2 (17-19)**

Lab Sample ID: 460-108656-4

Client Matrix: Solid

% Moisture: 3.7

Date Sampled: 02/04/2016 1030

Date Received: 02/05/2016 1400

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349684	Initial Weight/Volume:	15.0093 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1313			Injection Volume:	1 uL
Prep Date:	02/11/2016 0422			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.0	U	0.91	7.0
4,4'-DDE		7.0	U	1.0	7.0
4,4'-DDT		7.0	U	0.72	7.0
Aldrin		7.0	U	0.84	7.0
alpha-BHC		2.1	U	0.63	2.1
beta-BHC		2.1	U	0.67	2.1
Chlordane (technical)		70	U	31	70
delta-BHC		2.1	U	0.76	2.1
Dieldrin		2.1	U	0.90	2.1
Endosulfan I		7.0	U	0.96	7.0
Endosulfan II		7.0	U	1.1	7.0
Endosulfan sulfate		7.0	U	0.81	7.0
Endrin		7.0	U	0.88	7.0
Endrin aldehyde		7.0	U	0.86	7.0
Endrin ketone		7.0	U	0.96	7.0
gamma-BHC (Lindane)		2.1	U	0.62	2.1
Heptachlor		7.0	U	0.89	7.0
Heptachlor epoxide		7.0	U	1.4	7.0
Methoxychlor		7.0	U	1.5	7.0
Toxaphene		70	U	20	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	113		55 - 148
Tetrachloro-m-xylene	104		55 - 139

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-2 (17-19)**

Lab Sample ID: 460-108656-4

Client Matrix: Solid

% Moisture: 3.7

Date Sampled: 02/04/2016 1030

Date Received: 02/05/2016 1400

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349684	Initial Weight/Volume:	15.0093 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1313			Injection Volume:	1 uL
Prep Date:	02/11/2016 0422			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	111		55 - 148
Tetrachloro-m-xylene	101		55 - 139

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (0-2)**

Lab Sample ID: 460-108656-5

Client Matrix: Solid

% Moisture: 11.1

Date Sampled: 02/04/2016 1100

Date Received: 02/05/2016 1400

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349684	Initial Weight/Volume:	15.0076 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1326			Injection Volume:	1 uL
Prep Date:	02/11/2016 0422			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.5	U	0.99	7.5
4,4'-DDE		7.5	U	1.1	7.5
4,4'-DDT		7.5	U	0.78	7.5
Aldrin		7.5	U	0.91	7.5
alpha-BHC		2.2	U	0.69	2.2
beta-BHC		2.2	U	0.73	2.2
Chlordane (technical)		75	U	33	75
delta-BHC		2.2	U	0.82	2.2
Dieldrin		2.2	U	0.98	2.2
Endosulfan I		7.5	U	1.0	7.5
Endosulfan II		7.5	U	1.2	7.5
Endosulfan sulfate		7.5	U	0.88	7.5
Endrin		7.5	U	0.96	7.5
Endrin aldehyde		7.5	U	0.93	7.5
Endrin ketone		7.5	U	1.0	7.5
gamma-BHC (Lindane)		2.2	U	0.67	2.2
Heptachlor		7.5	U	0.97	7.5
Heptachlor epoxide		7.5	U	1.5	7.5
Methoxychlor		7.5	U	1.6	7.5
Toxaphene		75	U	22	75

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	130		55 - 148
Tetrachloro-m-xylene	122		55 - 139

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (0-2)**

Lab Sample ID: 460-108656-5

Client Matrix: Solid

% Moisture: 11.1

Date Sampled: 02/04/2016 1100

Date Received: 02/05/2016 1400

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349684	Initial Weight/Volume:	15.0076 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1326			Injection Volume:	1 uL
Prep Date:	02/11/2016 0422			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	122		55 - 148
Tetrachloro-m-xylene	111		55 - 139

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (10-12)**

Lab Sample ID: 460-108656-6

Client Matrix: Solid

% Moisture: 20.1

Date Sampled: 02/04/2016 1200

Date Received: 02/05/2016 1400

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349684	Initial Weight/Volume:	15.0048 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1338			Injection Volume:	1 uL
Prep Date:	02/11/2016 0422			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		8.4	U	1.1	8.4
4,4'-DDE		8.4	U	1.2	8.4
4,4'-DDT		8.4	U	0.86	8.4
Aldrin		8.4	U	1.0	8.4
alpha-BHC		2.5	U	0.76	2.5
beta-BHC		2.5	U	0.81	2.5
Chlordane (technical)		84	U	37	84
delta-BHC		2.5	U	0.91	2.5
Dieldrin		2.5	U	1.1	2.5
Endosulfan I		8.4	U	1.2	8.4
Endosulfan II		8.4	U	1.3	8.4
Endosulfan sulfate		8.4	U	0.98	8.4
Endrin		8.4	U	1.1	8.4
Endrin aldehyde		8.4	U	1.0	8.4
Endrin ketone		8.4	U	1.2	8.4
gamma-BHC (Lindane)		2.5	U	0.75	2.5
Heptachlor		8.4	U	1.1	8.4
Heptachlor epoxide		8.4	U	1.6	8.4
Methoxychlor		8.4	U	1.8	8.4
Toxaphene		84	U	24	84

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	123		55 - 148
Tetrachloro-m-xylene	107		55 - 139

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (10-12)**

Lab Sample ID: 460-108656-6
Client Matrix: Solid
% Moisture: 20.1

Date Sampled: 02/04/2016 1200
Date Received: 02/05/2016 1400

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349684	Initial Weight/Volume:	15.0048 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1338			Injection Volume:	1 uL
Prep Date:	02/11/2016 0422			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		55 - 148
Tetrachloro-m-xylene	102		55 - 139

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (21-23)**

Lab Sample ID: 460-108656-7

Client Matrix: Solid

% Moisture: 3.5

Date Sampled: 02/04/2016 1130

Date Received: 02/05/2016 1400

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349684	Initial Weight/Volume:	15.0022 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1351			Injection Volume:	1 uL
Prep Date:	02/11/2016 0422			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		6.9	U	0.91	6.9
4,4'-DDE		6.9	U	1.0	6.9
4,4'-DDT		6.9	U	0.72	6.9
Aldrin		6.9	U	0.84	6.9
alpha-BHC		2.1	U	0.63	2.1
beta-BHC		2.1	U	0.67	2.1
Chlordane (technical)		69	U	31	69
delta-BHC		2.1	U	0.76	2.1
Dieldrin		2.1	U	0.90	2.1
Endosulfan I		6.9	U	0.96	6.9
Endosulfan II		6.9	U	1.1	6.9
Endosulfan sulfate		6.9	U	0.81	6.9
Endrin		6.9	U	0.88	6.9
Endrin aldehyde		6.9	U	0.86	6.9
Endrin ketone		6.9	U	0.96	6.9
gamma-BHC (Lindane)		2.1	U	0.62	2.1
Heptachlor		6.9	U	0.89	6.9
Heptachlor epoxide		6.9	U	1.4	6.9
Methoxychlor		6.9	U	1.5	6.9
Toxaphene		69	U	20	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	116		55 - 148
Tetrachloro-m-xylene	112		55 - 139

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (21-23)**

Lab Sample ID: 460-108656-7

Client Matrix: Solid

% Moisture: 3.5

Date Sampled: 02/04/2016 1130

Date Received: 02/05/2016 1400

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-349684	Initial Weight/Volume:	15.0022 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1351			Injection Volume:	1 uL
Prep Date:	02/11/2016 0422			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	113		55 - 148
Tetrachloro-m-xylene	103		55 - 139

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-4 (0-2)**

Lab Sample ID: 460-108656-1

Client Matrix: Solid

% Moisture: 12.8

Date Sampled: 02/04/2016 0900

Date Received: 02/05/2016 1400

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349685	Initial Weight/Volume:	15.0071 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1645			Injection Volume:	1 uL
Prep Date:	02/11/2016 0429			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		77	U	10	77
Aroclor 1221		77	U	10	77
Aroclor 1232		77	U	10	77
Aroclor 1242		77	U	10	77
Aroclor 1248		77	U	10	77
Aroclor 1254		77	U	11	77
Aroclor 1260		77	U	11	77
Aroclor-1262		77	U	11	77
Aroclor 1268		77	U	11	77
Polychlorinated biphenyls, Total		77	U	11	77

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	129		47 - 150

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-4 (0-2)**

Lab Sample ID: 460-108656-1

Client Matrix: Solid

% Moisture: 12.8

Date Sampled: 02/04/2016 0900

Date Received: 02/05/2016 1400

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349685	Initial Weight/Volume:	15.0071 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1645			Injection Volume:	1 uL
Prep Date:	02/11/2016 0429			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	128		47 - 150

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-4 (18-20)**

Lab Sample ID: 460-108656-2

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 02/04/2016 0930

Date Received: 02/05/2016 1400

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349685	Initial Weight/Volume:	15.0011 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1700			Injection Volume:	1 uL
Prep Date:	02/11/2016 0429			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		69	U	9.2	69
Aroclor 1221		69	U	9.2	69
Aroclor 1232		69	U	9.2	69
Aroclor 1242		69	U	9.2	69
Aroclor 1248		69	U	9.2	69
Aroclor 1254		69	U	9.5	69
Aroclor 1260		69	U	9.5	69
Aroclor-1262		69	U	9.5	69
Aroclor 1268		69	U	9.5	69
Polychlorinated biphenyls, Total		69	U	9.5	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	119		47 - 150

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-4 (18-20)**

Lab Sample ID: 460-108656-2

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 02/04/2016 0930

Date Received: 02/05/2016 1400

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349685	Initial Weight/Volume:	15.0011 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1700			Injection Volume:	1 uL
Prep Date:	02/11/2016 0429			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	117		47 - 150

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-2 (0-2)**

Lab Sample ID: 460-108656-3

Client Matrix: Solid

% Moisture: 8.8

Date Sampled: 02/04/2016 1000

Date Received: 02/05/2016 1400

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349685	Initial Weight/Volume:	15.080 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1714			Injection Volume:	1 uL
Prep Date:	02/11/2016 0429			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		73	U	9.7	73
Aroclor 1221		73	U	9.7	73
Aroclor 1232		73	U	9.7	73
Aroclor 1242		73	U	9.7	73
Aroclor 1248		73	U	9.7	73
Aroclor 1254		73	U	10	73
Aroclor 1260		73	U	10	73
Aroclor-1262		73	U	10	73
Aroclor 1268		73	U	10	73
Polychlorinated biphenyls, Total		73	U	10	73

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	131		47 - 150

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-2 (0-2)**

Lab Sample ID: 460-108656-3

Client Matrix: Solid

% Moisture: 8.8

Date Sampled: 02/04/2016 1000

Date Received: 02/05/2016 1400

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349685	Initial Weight/Volume:	15.080 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1714			Injection Volume:	1 uL
Prep Date:	02/11/2016 0429			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	129		47 - 150

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-2 (17-19)**

Lab Sample ID: 460-108656-4

Client Matrix: Solid

% Moisture: 3.7

Date Sampled: 02/04/2016 1030

Date Received: 02/05/2016 1400

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349685	Initial Weight/Volume:	15.0093 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1729			Injection Volume:	1 uL
Prep Date:	02/11/2016 0429			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		70	U	9.2	70
Aroclor 1221		70	U	9.2	70
Aroclor 1232		70	U	9.2	70
Aroclor 1242		70	U	9.2	70
Aroclor 1248		70	U	9.2	70
Aroclor 1254		70	U	9.5	70
Aroclor 1260		70	U	9.5	70
Aroclor-1262		70	U	9.5	70
Aroclor 1268		70	U	9.5	70
Polychlorinated biphenyls, Total		70	U	9.5	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	117		47 - 150

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-2 (17-19)**

Lab Sample ID: 460-108656-4

Client Matrix: Solid

% Moisture: 3.7

Date Sampled: 02/04/2016 1030

Date Received: 02/05/2016 1400

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349685	Initial Weight/Volume:	15.0093 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1729			Injection Volume:	1 uL
Prep Date:	02/11/2016 0429			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	116		47 - 150

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (0-2)**

Lab Sample ID: 460-108656-5

Client Matrix: Solid

% Moisture: 11.1

Date Sampled: 02/04/2016 1100

Date Received: 02/05/2016 1400

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349685	Initial Weight/Volume:	15.0079 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1744			Injection Volume:	1 uL
Prep Date:	02/11/2016 0429			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		75	U	10	75
Aroclor 1221		75	U	10	75
Aroclor 1232		75	U	10	75
Aroclor 1242		75	U	10	75
Aroclor 1248		75	U	10	75
Aroclor 1254		75	U	10	75
Aroclor 1260		75	U	10	75
Aroclor-1262		75	U	10	75
Aroclor 1268		75	U	10	75
Polychlorinated biphenyls, Total		75	U	10	75

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	140		47 - 150

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (0-2)**

Lab Sample ID: 460-108656-5

Client Matrix: Solid

% Moisture: 11.1

Date Sampled: 02/04/2016 1100

Date Received: 02/05/2016 1400

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349685	Initial Weight/Volume:	15.0079 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1744			Injection Volume:	1 uL
Prep Date:	02/11/2016 0429			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	139		47 - 150

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (10-12)**

Lab Sample ID: 460-108656-6

Client Matrix: Solid

% Moisture: 20.1

Date Sampled: 02/04/2016 1200

Date Received: 02/05/2016 1400

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349685	Initial Weight/Volume:	15.0048 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1758			Injection Volume:	1 uL
Prep Date:	02/11/2016 0429			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		84	U	11	84
Aroclor 1221		84	U	11	84
Aroclor 1232		84	U	11	84
Aroclor 1242		84	U	11	84
Aroclor 1248		84	U	11	84
Aroclor 1254		84	U	12	84
Aroclor 1260		84	U	12	84
Aroclor-1262		84	U	12	84
Aroclor 1268		84	U	12	84
Polychlorinated biphenyls, Total		84	U	12	84

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	117		47 - 150

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (10-12)**

Lab Sample ID: 460-108656-6

Client Matrix: Solid

% Moisture: 20.1

Date Sampled: 02/04/2016 1200

Date Received: 02/05/2016 1400

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349685	Initial Weight/Volume:	15.0048 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1758			Injection Volume:	1 uL
Prep Date:	02/11/2016 0429			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		47 - 150

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (21-23)**

Lab Sample ID: 460-108656-7

Client Matrix: Solid

% Moisture: 3.5

Date Sampled: 02/04/2016 1130

Date Received: 02/05/2016 1400

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349685	Initial Weight/Volume:	15.0022 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1813			Injection Volume:	1 uL
Prep Date:	02/11/2016 0429			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		69	U	9.2	69
Aroclor 1221		69	U	9.2	69
Aroclor 1232		69	U	9.2	69
Aroclor 1242		69	U	9.2	69
Aroclor 1248		69	U	9.2	69
Aroclor 1254		69	U	9.5	69
Aroclor 1260		69	U	9.5	69
Aroclor-1262		69	U	9.5	69
Aroclor 1268		69	U	9.5	69
Polychlorinated biphenyls, Total		69	U	9.5	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		47 - 150

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (21-23)**

Lab Sample ID: 460-108656-7

Client Matrix: Solid

% Moisture: 3.5

Date Sampled: 02/04/2016 1130

Date Received: 02/05/2016 1400

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-349685	Initial Weight/Volume:	15.0022 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	02/11/2016 1813			Injection Volume:	1 uL
Prep Date:	02/11/2016 0429			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	103		47 - 150

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-4 (0-2)**

Lab Sample ID: 460-108656-1
Client Matrix: Solid
% Moisture: 12.8
Date Sampled: 02/04/2016 0900
Date Received: 02/05/2016 1400

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-350243	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-349722	Lab File ID:	02142016.asc
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Analysis Date:	02/14/2016 1231			Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0934				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9110		23.2	45.0
Antimony		4.5	U	1.8	4.5
Arsenic		3.0	J	1.1	3.4
Barium		95.1		1.6	45.0
Beryllium		0.48		0.38	0.45
Cadmium		0.90	U	0.47	0.90
Calcium		5100		66.6	1120
Chromium		18.9		1.1	2.2
Cobalt		6.1	J	1.3	11.2
Copper		35.2		1.5	5.6
Iron		14800		25.4	33.7
Lead		112		0.88	2.2
Magnesium		3620		56.1	1120
Manganese		353		1.2	3.4
Nickel		15.3		1.6	9.0
Potassium		860	J	34.1	1120
Selenium		4.5	U	1.6	4.5
Silver		2.2	U	0.40	2.2
Sodium		421	J	76.1	1120
Thallium		4.5	U	2.0	4.5
Vanadium		24.1		1.1	11.2
Zinc		282		1.6	6.7

7471B Mercury (CVAA)

Analysis Method:	7471B	Analysis Batch:	460-349764	Instrument ID:	LEEMAN6
Prep Method:	7471B	Prep Batch:	460-349700	Lab File ID:	349699HG.CSV
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Analysis Date:	02/11/2016 0940			Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0433				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.12		0.013	0.018

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-4 (18-20)**

Lab Sample ID: 460-108656-2

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 02/04/2016 0930

Date Received: 02/05/2016 1400

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-350243	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-349722	Lab File ID:	02142016.asc
Dilution:	4.0			Initial Weight/Volume:	1.10 g
Analysis Date:	02/14/2016 1312			Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0934				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5030		19.3	37.5
Antimony		3.8	U	1.5	3.8
Arsenic		2.8	U	0.92	2.8
Barium		34.8	J	1.3	37.5
Beryllium		0.32	J	0.32	0.38
Cadmium		0.75	U	0.39	0.75
Calcium		567	J	55.6	939
Chromium		10.6		0.91	1.9
Cobalt		6.1	J	1.1	9.4
Copper		9.8		1.2	4.7
Iron		9880		21.2	28.2
Lead		2.4		0.74	1.9
Magnesium		998		46.8	939
Manganese		279		0.99	2.8
Nickel		7.2	J	1.4	7.5
Potassium		472	J	28.4	939
Selenium		3.8	U	1.3	3.8
Silver		1.9	U	0.33	1.9
Sodium		939	U	63.5	939
Thallium		3.8	U	1.7	3.8
Vanadium		15.0		0.94	9.4
Zinc		19.4		1.4	5.6

7471B Mercury (CVAA)

Analysis Method:	7471B	Analysis Batch:	460-349764	Instrument ID:	LEEMAN6
Prep Method:	7471B	Prep Batch:	460-349700	Lab File ID:	349699HG.CSV
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	02/11/2016 0942			Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0433				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	U	0.012	0.017

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-2 (0-2)**

Lab Sample ID: 460-108656-3
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 02/04/2016 1000
Date Received: 02/05/2016 1400

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-350243	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-349722	Lab File ID:	02142016.asc
Dilution:	4.0			Initial Weight/Volume:	1.05 g
Analysis Date:	02/14/2016 1315			Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0934				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		11100		21.5	41.8
Antimony		4.2	U	1.6	4.2
Arsenic		5.0		1.0	3.1
Barium		125		1.5	41.8
Beryllium		0.48		0.35	0.42
Cadmium		0.55	J	0.44	0.84
Calcium		21400		61.8	1040
Chromium		26.1		1.0	2.1
Cobalt		7.6	J	1.2	10.4
Copper		66.5		1.4	5.2
Iron		18300		23.6	31.3
Lead		303		0.82	2.1
Magnesium		8030		52.1	1040
Manganese		249		1.1	3.1
Nickel		24.9		1.5	8.4
Potassium		1840		31.6	1040
Selenium		4.2	U	1.4	4.2
Silver		2.1	U	0.37	2.1
Sodium		178	J	70.7	1040
Thallium		4.2	U	1.8	4.2
Vanadium		38.1		1.0	10.4
Zinc		212		1.5	6.3

7471B Mercury (CVAA)

Analysis Method:	7471B	Analysis Batch:	460-349764	Instrument ID:	LEEMAN6
Prep Method:	7471B	Prep Batch:	460-349700	Lab File ID:	349699HG.CSV
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Analysis Date:	02/11/2016 0943			Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0433				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.31		0.012	0.017

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-2 (17-19)**

Lab Sample ID: 460-108656-4
Client Matrix: Solid
% Moisture: 3.7
Date Sampled: 02/04/2016 1030
Date Received: 02/05/2016 1400

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-350243	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-349722	Lab File ID:	02142016.asc
Dilution:	4.0			Initial Weight/Volume:	1.11 g
Analysis Date:	02/14/2016 1319			Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0934				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2610		19.3	37.4
Antimony		3.7	U	1.5	3.7
Arsenic		2.8	U	0.92	2.8
Barium		27.6	J	1.3	37.4
Beryllium		0.37	U	0.32	0.37
Cadmium		0.75	U	0.39	0.75
Calcium		443	J	55.4	935
Chromium		8.1		0.90	1.9
Cobalt		2.2	J	1.1	9.4
Copper		5.9		1.2	4.7
Iron		7290		21.1	28.1
Lead		1.5	J	0.73	1.9
Magnesium		939		46.7	935
Manganese		72.2		0.98	2.8
Nickel		4.7	J	1.4	7.5
Potassium		380	J	28.3	935
Selenium		3.7	U	1.3	3.7
Silver		1.9	U	0.33	1.9
Sodium		935	U	63.3	935
Thallium		3.7	U	1.7	3.7
Vanadium		11.0		0.94	9.4
Zinc		10.7		1.4	5.6

7471B Mercury (CVAA)

Analysis Method:	7471B	Analysis Batch:	460-349764	Instrument ID:	LEEMAN6
Prep Method:	7471B	Prep Batch:	460-349700	Lab File ID:	349699HG.CSV
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	02/11/2016 0945			Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0433				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.018	U	0.012	0.018

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (0-2)**

Lab Sample ID: 460-108656-5
Client Matrix: Solid
% Moisture: 11.1
Date Sampled: 02/04/2016 1100
Date Received: 02/05/2016 1400

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-350243	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-349722	Lab File ID:	02142016.asc
Dilution:	4.0			Initial Weight/Volume:	1.00 g
Analysis Date:	02/14/2016 1323			Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0934				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7680		23.2	45.0
Antimony		4.5	U	1.8	4.5
Arsenic		3.3	J	1.1	3.4
Barium		61.3		1.6	45.0
Beryllium		0.45	U	0.38	0.45
Cadmium		0.90	U	0.47	0.90
Calcium		43700		66.6	1120
Chromium		12.9		1.1	2.2
Cobalt		6.2	J	1.3	11.2
Copper		53.0		1.5	5.6
Iron		17100		25.4	33.7
Lead		126		0.88	2.2
Magnesium		13000		56.1	1120
Manganese		224		1.2	3.4
Nickel		12.1		1.6	9.0
Potassium		743	J	34.1	1120
Selenium		4.5	U	1.6	4.5
Silver		2.2	U	0.40	2.2
Sodium		370	J	76.1	1120
Thallium		4.5	U	2.0	4.5
Vanadium		29.3		1.1	11.2
Zinc		132		1.6	6.7

7471B Mercury (CVAA)

Analysis Method:	7471B	Analysis Batch:	460-349764	Instrument ID:	LEEMAN6
Prep Method:	7471B	Prep Batch:	460-349700	Lab File ID:	349699HG.CSV
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Analysis Date:	02/11/2016 0947			Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0433				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.097		0.013	0.018

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (10-12)**

Lab Sample ID: 460-108656-6
Client Matrix: Solid
% Moisture: 20.1
Date Sampled: 02/04/2016 1200
Date Received: 02/05/2016 1400

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-350243	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-349722	Lab File ID:	02142016.asc
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Analysis Date:	02/14/2016 1338			Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0934				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3260		25.3	49.1
Antimony		4.9	U	1.9	4.9
Arsenic		3.7	U	1.2	3.7
Barium		21.1	J	1.8	49.1
Beryllium		0.49	U	0.42	0.49
Cadmium		0.98	U	0.51	0.98
Calcium		904	J	72.7	1230
Chromium		8.7		1.2	2.5
Cobalt		3.9	J	1.4	12.3
Copper		8.4		1.6	6.1
Iron		9520		27.7	36.8
Lead		2.4	J	0.96	2.5
Magnesium		1370		61.3	1230
Manganese		104		1.3	3.7
Nickel		7.2	J	1.8	9.8
Potassium		423	J	37.2	1230
Selenium		4.9	U	1.7	4.9
Silver		2.5	U	0.43	2.5
Sodium		91.9	J	83.1	1230
Thallium		4.9	U	2.2	4.9
Vanadium		15.2		1.2	12.3
Zinc		16.4		1.8	7.4

7471B Mercury (CVAA)

Analysis Method:	7471B	Analysis Batch:	460-349764	Instrument ID:	LEEMAN6
Prep Method:	7471B	Prep Batch:	460-349700	Lab File ID:	349699HG.CSV
Dilution:	1.0			Initial Weight/Volume:	0.67 g
Analysis Date:	02/11/2016 0949			Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0433				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.019	U	0.013	0.019

Client: FPM Group Limited

Job Number: 460-108656-1

Client Sample ID: **SB-1 (21-23)**

Lab Sample ID: 460-108656-7
Client Matrix: Solid
% Moisture: 3.5
Date Sampled: 02/04/2016 1130
Date Received: 02/05/2016 1400

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-350243	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-349722	Lab File ID:	02142016.asc
Dilution:	4.0			Initial Weight/Volume:	1.08 g
Analysis Date:	02/14/2016 1341			Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0934				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2770		19.8	38.4
Antimony		3.8	U	1.5	3.8
Arsenic		2.9	U	0.94	2.9
Barium		20.1	J	1.4	38.4
Beryllium		0.38	U	0.33	0.38
Cadmium		0.77	U	0.40	0.77
Calcium		759	J	56.8	960
Chromium		8.5		0.93	1.9
Cobalt		3.2	J	1.1	9.6
Copper		6.7		1.2	4.8
Iron		7890		21.7	28.8
Lead		2.1		0.75	1.9
Magnesium		1250		47.9	960
Manganese		102		1.0	2.9
Nickel		6.4	J	1.4	7.7
Potassium		357	J	29.1	960
Selenium		3.8	U	1.3	3.8
Silver		1.9	U	0.34	1.9
Sodium		110	J	65.0	960
Thallium		3.8	U	1.7	3.8
Vanadium		12.0		0.96	9.6
Zinc		14.3		1.4	5.8

7471B Mercury (CVAA)

Analysis Method:	7471B	Analysis Batch:	460-349764	Instrument ID:	LEEMAN6
Prep Method:	7471B	Prep Batch:	460-349700	Lab File ID:	349699HG.CSV
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	02/11/2016 0951			Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0433				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	U	0.012	0.017

General Chemistry

Client Sample ID: **SB-4 (0-2)**

Lab Sample ID: 460-108656-1

Client Matrix: Solid

Date Sampled: 02/04/2016 0900

Date Received: 02/05/2016 1400

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-349745	Analysis Date: 02/11/2016 1014					DryWt Corrected: N
Percent Solids	87.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-349745	Analysis Date: 02/11/2016 1014					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-4 (18-20)**

Lab Sample ID: 460-108656-2

Client Matrix: Solid

Date Sampled: 02/04/2016 0930

Date Received: 02/05/2016 1400

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349745	Analysis Date: 02/11/2016 1014						DryWt Corrected: N
Percent Solids	96.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349745	Analysis Date: 02/11/2016 1014						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-2 (0-2)**

Lab Sample ID: 460-108656-3

Client Matrix: Solid

Date Sampled: 02/04/2016 1000

Date Received: 02/05/2016 1400

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349745	Analysis Date: 02/11/2016 1014						DryWt Corrected: N
Percent Solids	91.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349745	Analysis Date: 02/11/2016 1014						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-2 (17-19)**

Lab Sample ID: 460-108656-4

Client Matrix: Solid

Date Sampled: 02/04/2016 1030

Date Received: 02/05/2016 1400

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349745	Analysis Date: 02/11/2016 1014						DryWt Corrected: N
Percent Solids	96.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349745	Analysis Date: 02/11/2016 1014						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-1 (0-2)**

Lab Sample ID: 460-108656-5

Client Matrix: Solid

Date Sampled: 02/04/2016 1100

Date Received: 02/05/2016 1400

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-349745	Analysis Date: 02/11/2016 1014					DryWt Corrected: N
Percent Solids	88.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-349745	Analysis Date: 02/11/2016 1014					DryWt Corrected: N

General Chemistry

Client Sample ID: SB-1 (10-12)

Lab Sample ID: 460-108656-6 Date Sampled: 02/04/2016 1200
Client Matrix: Solid Date Received: 02/05/2016 1400

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349745	Analysis Date: 02/11/2016 1014						DryWt Corrected: N
Percent Solids	79.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349745	Analysis Date: 02/11/2016 1014						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-1 (21-23)**

Lab Sample ID: 460-108656-7

Client Matrix: Solid

Date Sampled: 02/04/2016 1130

Date Received: 02/05/2016 1400

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349745	Analysis Date: 02/11/2016 1014						DryWt Corrected: N
Percent Solids	96.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-349745	Analysis Date: 02/11/2016 1014						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	LCS or LCSD is outside acceptance limits.
	*	RPD of the LCS and LCSD exceeds the control limits
	N	This flag indicates the presumptive evidence of a compound.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	LCS or LCSD is outside acceptance limits.
	*	MS or MSD is outside acceptance limits.
	*	Surrogate is outside acceptance 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.
Metals		
	*	Duplicate analysis not within control limits.
	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: 460-108656-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 460-349493					
460-108656-1	SB-4 (0-2)	T	Solid	5035	
460-108656-2	SB-4 (18-20)	T	Solid	5035	
460-108656-3	SB-2 (0-2)	T	Solid	5035	
460-108656-4	SB-2 (17-19)	T	Solid	5035	
460-108656-5	SB-1 (0-2)	T	Solid	5035	
460-108656-6	SB-1 (10-12)	T	Solid	5035	
460-108656-7	SB-1 (21-23)	T	Solid	5035	
Analysis Batch:460-350709					
LCS 460-350709/3	Lab Control Sample	T	Water	8260C	
LCSD 460-350709/4	Lab Control Sample Duplicate	T	Water	8260C	
MB 460-350709/6	Method Blank	T	Water	8260C	
460-108656-8TB	TB0204	T	Water	8260C	
Analysis Batch:460-350724					
LCS 460-350724/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-350724/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-350724/7	Method Blank	T	Solid	8260C	
460-108656-1	SB-4 (0-2)	T	Solid	8260C	460-349493
460-108656-5	SB-1 (0-2)	T	Solid	8260C	460-349493
Analysis Batch:460-350890					
LCS 460-350890/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-350890/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-350890/7	Method Blank	T	Solid	8260C	
460-108656-2	SB-4 (18-20)	T	Solid	8260C	460-349493
460-108656-3	SB-2 (0-2)	T	Solid	8260C	460-349493
460-108656-4	SB-2 (17-19)	T	Solid	8260C	460-349493
Analysis Batch:460-350975					
LCS 460-350975/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-350975/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-350975/7	Method Blank	T	Solid	8260C	
460-108656-6	SB-1 (10-12)	T	Solid	8260C	460-349493
460-108656-7	SB-1 (21-23)	T	Solid	8260C	460-349493

Report Basis
T = Total

Client: FPM Group Limited

Job Number: 460-108656-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 460-349730					
LCS 460-349730/2-A	Lab Control Sample	T	Solid	3546	
LCS 460-349730/3-A	Lab Control Sample	T	Solid	3546	
MB 460-349730/1-A	Method Blank	T	Solid	3546	
460-108656-1	SB-4 (0-2)	T	Solid	3546	
460-108656-2	SB-4 (18-20)	T	Solid	3546	
460-108656-3	SB-2 (0-2)	T	Solid	3546	
460-108656-4	SB-2 (17-19)	T	Solid	3546	
460-108656-5	SB-1 (0-2)	T	Solid	3546	
460-108656-6	SB-1 (10-12)	T	Solid	3546	
460-108656-7	SB-1 (21-23)	T	Solid	3546	
460-108656-7MS	Matrix Spike	T	Solid	3546	
460-108656-7MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:460-351120					
LCS 460-349730/2-A	Lab Control Sample	T	Solid	8270D	460-349730
LCS 460-349730/3-A	Lab Control Sample	T	Solid	8270D	460-349730
MB 460-349730/1-A	Method Blank	T	Solid	8270D	460-349730
460-108656-7	SB-1 (21-23)	T	Solid	8270D	460-349730
460-108656-7MS	Matrix Spike	T	Solid	8270D	460-349730
460-108656-7MSD	Matrix Spike Duplicate	T	Solid	8270D	460-349730
Analysis Batch:460-351636					
460-108656-4	SB-2 (17-19)	T	Solid	8270D	460-349730
460-108656-6	SB-1 (10-12)	T	Solid	8270D	460-349730
Analysis Batch:460-351868					
460-108656-2	SB-4 (18-20)	T	Solid	8270D	460-349730
460-108656-3	SB-2 (0-2)	T	Solid	8270D	460-349730
460-108656-5	SB-1 (0-2)	T	Solid	8270D	460-349730
Analysis Batch:460-351930					
460-108656-1	SB-4 (0-2)	T	Solid	8270D	460-349730

Report Basis
T = Total

Client: FPM Group Limited

Job Number: 460-108656-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-349684					
LCS 460-349684/2-A	Lab Control Sample	T	Solid	3546	
MB 460-349684/1-A	Method Blank	T	Solid	3546	
460-108589-A-1-A MS	Matrix Spike	T	Solid	3546	
460-108589-A-1-B MSD	Matrix Spike Duplicate	T	Solid	3546	
460-108656-1	SB-4 (0-2)	T	Solid	3546	
460-108656-2	SB-4 (18-20)	T	Solid	3546	
460-108656-3	SB-2 (0-2)	T	Solid	3546	
460-108656-4	SB-2 (17-19)	T	Solid	3546	
460-108656-5	SB-1 (0-2)	T	Solid	3546	
460-108656-6	SB-1 (10-12)	T	Solid	3546	
460-108656-7	SB-1 (21-23)	T	Solid	3546	
Prep Batch: 460-349685					
LCS 460-349685/2-A	Lab Control Sample	T	Solid	3546	
MB 460-349685/1-A	Method Blank	T	Solid	3546	
460-108589-A-1-D MS	Matrix Spike	T	Solid	3546	
460-108589-A-1-E MSD	Matrix Spike Duplicate	T	Solid	3546	
460-108656-1	SB-4 (0-2)	T	Solid	3546	
460-108656-2	SB-4 (18-20)	T	Solid	3546	
460-108656-3	SB-2 (0-2)	T	Solid	3546	
460-108656-4	SB-2 (17-19)	T	Solid	3546	
460-108656-5	SB-1 (0-2)	T	Solid	3546	
460-108656-6	SB-1 (10-12)	T	Solid	3546	
460-108656-7	SB-1 (21-23)	T	Solid	3546	
Analysis Batch:460-349695					
LCS 460-349684/2-A	Lab Control Sample	T	Solid	8081B	460-349684
MB 460-349684/1-A	Method Blank	T	Solid	8081B	460-349684
460-108589-A-1-A MS	Matrix Spike	T	Solid	8081B	460-349684
460-108589-A-1-B MSD	Matrix Spike Duplicate	T	Solid	8081B	460-349684
460-108656-1	SB-4 (0-2)	T	Solid	8081B	460-349684
460-108656-2	SB-4 (18-20)	T	Solid	8081B	460-349684
460-108656-3	SB-2 (0-2)	T	Solid	8081B	460-349684
460-108656-4	SB-2 (17-19)	T	Solid	8081B	460-349684
460-108656-5	SB-1 (0-2)	T	Solid	8081B	460-349684
460-108656-6	SB-1 (10-12)	T	Solid	8081B	460-349684
460-108656-7	SB-1 (21-23)	T	Solid	8081B	460-349684

Client: FPM Group Limited

Job Number: 460-108656-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:460-349790					
LCS 460-349685/2-A	Lab Control Sample	T	Solid	8082A	460-349685
MB 460-349685/1-A	Method Blank	T	Solid	8082A	460-349685
460-108589-A-1-D MS	Matrix Spike	T	Solid	8082A	460-349685
460-108589-A-1-E MSD	Matrix Spike Duplicate	T	Solid	8082A	460-349685
460-108656-1	SB-4 (0-2)	T	Solid	8082A	460-349685
460-108656-2	SB-4 (18-20)	T	Solid	8082A	460-349685
460-108656-3	SB-2 (0-2)	T	Solid	8082A	460-349685
460-108656-4	SB-2 (17-19)	T	Solid	8082A	460-349685
460-108656-5	SB-1 (0-2)	T	Solid	8082A	460-349685
460-108656-6	SB-1 (10-12)	T	Solid	8082A	460-349685
460-108656-7	SB-1 (21-23)	T	Solid	8082A	460-349685

Report Basis
T = Total

Client: FPM Group Limited

Job Number: 460-108656-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-349700					
LCSSRM 460-349700/2-A ^20	LCS-Certified Reference Material	T	Solid	7471B	
MB 460-349700/1-A	Method Blank	T	Solid	7471B	
460-108472-A-1-C DU	Duplicate	T	Solid	7471B	
460-108472-A-1-D MS	Matrix Spike	T	Solid	7471B	
460-108656-1	SB-4 (0-2)	T	Solid	7471B	
460-108656-2	SB-4 (18-20)	T	Solid	7471B	
460-108656-3	SB-2 (0-2)	T	Solid	7471B	
460-108656-4	SB-2 (17-19)	T	Solid	7471B	
460-108656-5	SB-1 (0-2)	T	Solid	7471B	
460-108656-6	SB-1 (10-12)	T	Solid	7471B	
460-108656-7	SB-1 (21-23)	T	Solid	7471B	
Prep Batch: 460-349722					
LCSSRM 460-349722/2-A ^4	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-349722/1-A ^2	Method Blank	T	Solid	3050B	
460-108629-A-2-B DU ^4	Duplicate	T	Solid	3050B	
460-108629-A-2-C MS ^4	Matrix Spike	T	Solid	3050B	
460-108656-1	SB-4 (0-2)	T	Solid	3050B	
460-108656-2	SB-4 (18-20)	T	Solid	3050B	
460-108656-3	SB-2 (0-2)	T	Solid	3050B	
460-108656-4	SB-2 (17-19)	T	Solid	3050B	
460-108656-5	SB-1 (0-2)	T	Solid	3050B	
460-108656-6	SB-1 (10-12)	T	Solid	3050B	
460-108656-7	SB-1 (21-23)	T	Solid	3050B	
Analysis Batch:460-349764					
LCSSRM 460-349700/2-A ^20	LCS-Certified Reference Material	T	Solid	7471B	460-349700
MB 460-349700/1-A	Method Blank	T	Solid	7471B	460-349700
460-108472-A-1-C DU	Duplicate	T	Solid	7471B	460-349700
460-108472-A-1-D MS	Matrix Spike	T	Solid	7471B	460-349700
460-108656-1	SB-4 (0-2)	T	Solid	7471B	460-349700
460-108656-2	SB-4 (18-20)	T	Solid	7471B	460-349700
460-108656-3	SB-2 (0-2)	T	Solid	7471B	460-349700
460-108656-4	SB-2 (17-19)	T	Solid	7471B	460-349700
460-108656-5	SB-1 (0-2)	T	Solid	7471B	460-349700
460-108656-6	SB-1 (10-12)	T	Solid	7471B	460-349700
460-108656-7	SB-1 (21-23)	T	Solid	7471B	460-349700

Client: FPM Group Limited

Job Number: 460-108656-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-350243					
LCSSRM 460-349722/2-A ^4	LCS-Certified Reference Material	T	Solid	6010C	460-349722
MB 460-349722/1-A ^2	Method Blank	T	Solid	6010C	460-349722
460-108629-A-2-B DU ^4	Duplicate	T	Solid	6010C	460-349722
460-108629-A-2-C MS ^4	Matrix Spike	T	Solid	6010C	460-349722
460-108656-1	SB-4 (0-2)	T	Solid	6010C	460-349722
460-108656-2	SB-4 (18-20)	T	Solid	6010C	460-349722
460-108656-3	SB-2 (0-2)	T	Solid	6010C	460-349722
460-108656-4	SB-2 (17-19)	T	Solid	6010C	460-349722
460-108656-5	SB-1 (0-2)	T	Solid	6010C	460-349722
460-108656-6	SB-1 (10-12)	T	Solid	6010C	460-349722
460-108656-7	SB-1 (21-23)	T	Solid	6010C	460-349722

Report Basis
T = Total

General Chemistry				
Analysis Batch:460-349745				
460-108656-1	SB-4 (0-2)	T	Solid	Moisture
460-108656-2	SB-4 (18-20)	T	Solid	Moisture
460-108656-3	SB-2 (0-2)	T	Solid	Moisture
460-108656-4	SB-2 (17-19)	T	Solid	Moisture
460-108656-5	SB-1 (0-2)	T	Solid	Moisture
460-108656-6	SB-1 (10-12)	T	Solid	Moisture
460-108656-7	SB-1 (21-23)	T	Solid	Moisture
460-108658-D-3 DU	Duplicate	T	Solid	Moisture

Report Basis
T = Total

Client: FPM Group Limited

Job Number: 460-108656-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
460-108656-1	SB-4 (0-2)	97	92	92	89
460-108656-2	SB-4 (18-20)	97	93	91	92
460-108656-3	SB-2 (0-2)	104	105	88	102
460-108656-4	SB-2 (17-19)	114	107	106	107
460-108656-5	SB-1 (0-2)	97	103	74	94
460-108656-6	SB-1 (10-12)	104	99	100	98
460-108656-7	SB-1 (21-23)	103	97	98	95
MB 460-350724/7		104	99	97	100
MB 460-350890/7		96	92	93	94
MB 460-350975/7		100	96	94	98
LCS 460-350724/3		105	106	105	107
LCS 460-350890/3		97	100	100	98
LCS 460-350975/3		99	95	93	93
LCSD 460-350724/4		100	98	100	99
LCSD 460-350890/4		99	100	101	100
LCSD 460-350975/4		98	98	99	96

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	78-135
BFB = 4-Bromofluorobenzene	67-126
DBFM = Dibromofluoromethane (Surr)	61-149
TOL = Toluene-d8 (Surr)	73-121

Client: FPM Group Limited

Job Number: 460-108656-1

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
460-108656-8	TB0204	123	114	108	98
MB 460-350709/6		122	115	106	98
LCS 460-350709/3		119	111	106	93
LCSD 460-350709/4		117	111	110	94

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-137
BFB = 4-Bromofluorobenzene	70-131
DBFM = Dibromofluoromethane (Surr)	72-136
TOL = Toluene-d8 (Surr)	74-120

Client: FPM Group Limited

Job Number: 460-108656-1

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
460-108656-1	SB-4 (0-2)	39	71	61	74	66	77
460-108656-2	SB-4 (18-20)	43	57	52	59	49	69
460-108656-3	SB-2 (0-2)	40	49	42	48	40	54
460-108656-4	SB-2 (17-19)	55	59	57	60	56	74
460-108656-5	SB-1 (0-2)	7*	52	27	49	38	54
460-108656-6	SB-1 (10-12)	62	57	55	58	55	73
460-108656-7	SB-1 (21-23)	62	63	61	69	64	76
MB 460-349730/1-A		86	67	76	83	82	92
LCS 460-349730/2-A		109*	78	89*	93*	94*	101
LCS 460-349730/3-A		95	77	88*	96*	94*	93
460-108656-7 MS	SB-1 (21-23) MS	72	68	68	76	72	81
460-108656-7 MSD	SB-1 (21-23) MSD	73	68	69	75	72	83

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	10-95
FBP = 2-Fluorobiphenyl	27-84
2FP = 2-Fluorophenol (Surr)	21-84
NBZ = Nitrobenzene-d5 (Surr)	28-92
PHL = Phenol-d5 (Surr)	22-88
TPH = Terphenyl-d14 (Surr)	16-114

Client: FPM Group Limited

Job Number: 460-108656-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
460-108656-1	SB-4 (0-2)	111	113	134	106
460-108656-2	SB-4 (18-20)	111	115	122	108
460-108656-3	SB-2 (0-2)	120	115	111	110
460-108656-4	SB-2 (17-19)	113	111	101	104
460-108656-5	SB-1 (0-2)	122	130	111	122
460-108656-6	SB-1 (10-12)	123	114	102	107
460-108656-7	SB-1 (21-23)	113	116	103	112
MB 460-349684/1-A		147	141	130	134
LCS 460-349684/2-A		121	124	112	114
460-108589-A-1-A MS		137	131	123	122
460-108589-A-1-B MSD		131	132	120	124

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	55-148
TCX = Tetrachloro-m-xylene	55-139

Client: FPM Group Limited

Job Number: 460-108656-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec
460-108656-1	SB-4 (0-2)	129	128
460-108656-2	SB-4 (18-20)	119	117
460-108656-3	SB-2 (0-2)	131	129
460-108656-4	SB-2 (17-19)	117	116
460-108656-5	SB-1 (0-2)	139	140
460-108656-6	SB-1 (10-12)	117	114
460-108656-7	SB-1 (21-23)	104	103
MB 460-349685/1-A		104	98
LCS 460-349685/2-A		98	93
460-108589-A-1-D MS		116	111
460-108589-A-1-E MSD		120	116

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	47-150

Client: FPM Group Limited

Job Number: 460-108656-1

Method Blank - Batch: 460-350709

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-350709/6	Analysis Batch:	460-350709	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36412.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 0949	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/17/2016 0949				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dioxane	50	U	8.7	50
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.0	U	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0

Client: FPM Group Limited

Job Number: 460-108656-1

Method Blank - Batch: 460-350709

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-350709/6	Analysis Batch:	460-350709	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36412.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 0949	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/17/2016 0949				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.0	U	0.12	1.0
Toluene	1.0	U	0.25	1.0
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	122	70 - 137
4-Bromofluorobenzene	115	70 - 131
Dibromofluoromethane (Surr)	106	72 - 136
Toluene-d8 (Surr)	98	74 - 120

Method Blank TICs- Batch: 460-350709

Cas Number	Analyte	RT	Est. Result (ug/	Qual
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-350709

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 460-350709/3	Analysis Batch:	460-350709	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36409.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 0831	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/17/2016 0831				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-350709/4	Analysis Batch:	460-350709	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36410.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 0857	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/17/2016 0857				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	117	112	76 - 131	5	30		
1,1,2,2-Tetrachloroethane	96	94	65 - 128	2	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	135	133	53 - 149	1	30		
1,1,2-Trichloroethane	99	94	77 - 122	5	30		
1,1-Dichloroethane	111	109	77 - 129	1	30		
1,1-Dichloroethene	103	99	67 - 133	4	30		
1,2,3-Trichlorobenzene	121	129	64 - 142	7	30		
1,2,4-Trichlorobenzene	116	117	66 - 137	1	30		
1,2-Dibromo-3-Chloropropane	95	101	55 - 133	6	30		
1,2-Dichlorobenzene	98	99	80 - 121	1	30		
1,2-Dichloroethane	119	115	73 - 131	3	30		
1,2-Dichloropropane	109	104	75 - 129	4	30		
1,3-Dichlorobenzene	101	98	80 - 120	3	30		
1,4-Dichlorobenzene	99	99	79 - 120	0	30		
1,4-Dioxane	99	108	65 - 150	8	30		
2-Butanone (MEK)	75	76	56 - 150	1	30		
2-Hexanone	90	87	64 - 150	3	30		
4-Methyl-2-pentanone (MIBK)	106	99	77 - 130	7	30		
Acetone	93	90	19 - 150	3	30		
Benzene	97	96	76 - 125	2	30		
Bromoform	94	92	65 - 124	2	30		
Bromomethane	74	76	10 - 150	3	30		
Carbon disulfide	108	103	69 - 131	5	30		
Carbon tetrachloride	117	114	71 - 138	2	30		
Chlorobenzene	100	96	80 - 120	4	30		
Chlorobromomethane	105	102	71 - 137	2	30		
Chlorodibromomethane	95	92	78 - 120	3	30		
Chloroethane	83	82	40 - 150	1	30		
Chloroform	107	101	81 - 127	6	30		
Chloromethane	94	94	45 - 150	0	30		
cis-1,2-Dichloroethene	98	95	82 - 127	3	30		
cis-1,3-Dichloropropene	99	94	72 - 125	5	30		
Cyclohexane	139	142	51 - 147	2	30		
Dichlorobromomethane	109	98	78 - 127	10	30		
Dichlorodifluoromethane	97	94	32 - 150	4	30		

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-350709

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 460-350709/3	Analysis Batch:	460-350709	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36409.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 0831	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/17/2016 0831				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-350709/4	Analysis Batch:	460-350709	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36410.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 0857	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/17/2016 0857				5 mL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ethylbenzene	103	96	80 - 120	6	30		
Ethylene Dibromide	90	89	80 - 120	0	30		
Isopropylbenzene	111	107	80 - 127	4	30		
Methyl acetate	127	122	63 - 150	4	30		
Methyl tert-butyl ether	109	103	78 - 129	6	30		
Methylcyclohexane	129	124	52 - 142	4	30		
Methylene Chloride	99	97	80 - 126	2	30		
m-Xylene & p-Xylene	100	96	80 - 121	4	30		
o-Xylene	105	101	80 - 120	4	30		
Styrene	105	100	75 - 124	5	30		
Tetrachloroethene	110	112	71 - 132	2	30		
Toluene	97	93	80 - 120	4	30		
trans-1,2-Dichloroethene	107	97	78 - 127	9	30		
trans-1,3-Dichloropropene	100	94	69 - 125	5	30		
Trichloroethene	111	107	77 - 127	4	30		
Trichlorofluoromethane	104	105	50 - 150	1	30		
Vinyl chloride	85	81	53 - 142	4	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119	117	70 - 137
4-Bromofluorobenzene	111	111	70 - 131
Dibromofluoromethane (Surr)	106	110	72 - 136
Toluene-d8 (Surr)	93	94	74 - 120

Client: FPM Group Limited

Job Number: 460-108656-1

Method Blank - Batch: 460-350724

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-350724/7	Analysis Batch:	460-350724	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D19461.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 1114	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.38	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.17	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.44	1.0
1,1,2-Trichloroethane	1.0	U	0.28	1.0
1,1-Dichloroethane	1.0	U	0.34	1.0
1,1-Dichloroethene	1.0	U	0.41	1.0
1,2,3-Trichlorobenzene	1.0	U	0.11	1.0
1,2,4-Trichlorobenzene	1.0	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.47	1.0
1,2-Dichlorobenzene	1.0	U	0.14	1.0
1,2-Dichloroethane	1.0	U	0.11	1.0
1,2-Dichloropropane	1.0	U	0.17	1.0
1,3-Dichlorobenzene	1.0	U	0.12	1.0
1,4-Dichlorobenzene	1.0	U	0.13	1.0
1,4-Dioxane	20	U	6.4	20
2-Butanone (MEK)	5.0	U	0.77	5.0
2-Hexanone	5.0	U	0.94	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	2.2	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.20	1.0
Bromoform	1.0	U	0.13	1.0
Bromomethane	1.0	U	0.32	1.0
Carbon disulfide	1.0	U	0.43	1.0
Carbon tetrachloride	1.0	U	0.43	1.0
Chlorobenzene	1.0	U	0.14	1.0
Chlorobromomethane	1.0	U	0.17	1.0
Chlorodibromomethane	1.0	U	0.15	1.0
Chloroethane	1.0	U	0.35	1.0
Chloroform	1.0	U	0.21	1.0
Chloromethane	1.0	U	0.38	1.0
cis-1,2-Dichloroethene	1.0	U	0.22	1.0
cis-1,3-Dichloropropene	1.0	U	0.15	1.0
Cyclohexane	1.0	U	0.46	1.0
Dichlorobromomethane	1.0	U	0.38	1.0
Dichlorodifluoromethane	1.0	U	0.32	1.0
Ethylbenzene	1.0	U	0.18	1.0
Ethylene Dibromide	1.0	U	0.12	1.0
Isopropylbenzene	1.0	U	0.17	1.0
Methyl acetate	5.0	U	0.90	5.0
Methyl tert-butyl ether	1.0	U	0.17	1.0
Methylcyclohexane	1.0	U	0.50	1.0
Methylene Chloride	1.0	U	0.32	1.0
m-Xylene & p-Xylene	1.0	U	0.11	1.0
o-Xylene	1.0	U	0.16	1.0
Styrene	1.0	U	0.15	1.0

Client: FPM Group Limited

Job Number: 460-108656-1

Method Blank - Batch: 460-350724

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-350724/7	Analysis Batch:	460-350724	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D19461.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 1114	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.0	U	0.28	1.0
Toluene	1.0	U	0.19	1.0
trans-1,2-Dichloroethene	1.0	U	0.39	1.0
trans-1,3-Dichloropropene	1.0	U	0.10	1.0
Trichloroethene	1.0	U	0.26	1.0
Trichlorofluoromethane	1.0	U	0.34	1.0
Vinyl chloride	1.0	U	0.39	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	78 - 135
4-Bromofluorobenzene	99	67 - 126
Dibromofluoromethane (Surr)	97	61 - 149
Toluene-d8 (Surr)	100	73 - 121

Method Blank TICs- Batch: 460-350724

Cas Number	Analyte	RT	Est. Result (ug/	Qual
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-350724

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-350724/3	Analysis Batch:	460-350724	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D19457.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 0934	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-350724/4	Analysis Batch:	460-350724	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D19458.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 0959	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
1,1,1-Trichloroethane	98	100	78 - 139	2	30		
1,1,2,2-Tetrachloroethane	104	90	64 - 128	14	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	80	97	83 - 136	20	30	*	
1,1,2-Trichloroethane	98	95	76 - 118	3	30		
1,1-Dichloroethane	101	100	83 - 131	2	30		
1,1-Dichloroethene	96	103	80 - 120	6	30		
1,2,3-Trichlorobenzene	94	88	77 - 116	6	30		
1,2,4-Trichlorobenzene	95	88	77 - 116	8	30		
1,2-Dibromo-3-Chloropropane	99	85	63 - 131	15	30		
1,2-Dichlorobenzene	101	92	80 - 120	9	30		
1,2-Dichloroethane	100	97	75 - 132	3	30		
1,2-Dichloropropane	100	95	77 - 124	5	30		
1,3-Dichlorobenzene	96	91	80 - 120	5	30		
1,4-Dichlorobenzene	96	88	80 - 120	9	30		
1,4-Dioxane	109	88	80 - 128	21	30		
2-Butanone (MEK)	101	94	58 - 150	8	30		
2-Hexanone	109	95	75 - 137	14	30		
4-Methyl-2-pentanone (MIBK)	109	97	81 - 121	12	30		
Acetone	100	96	66 - 150	4	30		
Benzene	100	98	78 - 122	3	30		
Bromoform	93	87	47 - 150	7	30		
Bromomethane	93	99	74 - 125	7	30		
Carbon disulfide	89	90	82 - 127	1	30		
Carbon tetrachloride	100	102	62 - 150	2	30		
Chlorobenzene	99	95	80 - 120	4	30		
Chlorobromomethane	100	93	73 - 132	6	30		
Chlorodibromomethane	98	91	68 - 132	7	30		
Chloroethane	86	84	63 - 143	2	30		
Chloroform	101	100	80 - 120	1	30		
Chloromethane	87	93	73 - 130	7	30		
cis-1,2-Dichloroethene	98	98	80 - 120	0	30		
cis-1,3-Dichloropropene	99	93	75 - 118	6	30		
Cyclohexane	102	108	77 - 137	5	30		
Dichlorobromomethane	95	92	76 - 130	3	30		
Dichlorodifluoromethane	104	111	73 - 122	6	30		

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-350724

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-350724/3	Analysis Batch:	460-350724	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D19457.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 0934	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-350724/4	Analysis Batch:	460-350724	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D19458.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 0959	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
Ethylbenzene	100	95	80 - 120	5	30		
Ethylene Dibromide	98	94	80 - 120	4	30		
Isopropylbenzene	101	97	80 - 120	4	30		
Methyl acetate	94	93	66 - 150	1	30		
Methyl tert-butyl ether	81	96	80 - 120	17	30		
Methylcyclohexane	104	104	84 - 127	1	30		
Methylene Chloride	93	96	80 - 120	3	30		
m-Xylene & p-Xylene	99	96	80 - 120	3	30		
o-Xylene	101	98	80 - 120	4	30		
Styrene	102	97	80 - 120	5	30		
Tetrachloroethene	104	101	68 - 130	3	30		
Toluene	98	95	80 - 120	3	30		
trans-1,2-Dichloroethene	100	101	86 - 126	0	30		
trans-1,3-Dichloropropene	95	89	73 - 118	6	30		
Trichloroethene	101	99	80 - 120	2	30		
Trichlorofluoromethane	94	103	73 - 134	9	30		
Vinyl chloride	96	101	77 - 130	6	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	100	78 - 135
4-Bromofluorobenzene	106	98	67 - 126
Dibromofluoromethane (Surr)	105	100	61 - 149
Toluene-d8 (Surr)	107	99	73 - 121

Client: FPM Group Limited

Job Number: 460-108656-1

Method Blank - Batch: 460-350890

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-350890/7	Analysis Batch:	460-350890	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D19487.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 2151	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.38	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.17	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.44	1.0
1,1,2-Trichloroethane	1.0	U	0.28	1.0
1,1-Dichloroethane	1.0	U	0.34	1.0
1,1-Dichloroethene	1.0	U	0.41	1.0
1,2,3-Trichlorobenzene	1.0	U	0.11	1.0
1,2,4-Trichlorobenzene	1.0	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.47	1.0
1,2-Dichlorobenzene	1.0	U	0.14	1.0
1,2-Dichloroethane	1.0	U	0.11	1.0
1,2-Dichloropropane	1.0	U	0.17	1.0
1,3-Dichlorobenzene	1.0	U	0.12	1.0
1,4-Dichlorobenzene	1.0	U	0.13	1.0
1,4-Dioxane	20	U	6.4	20
2-Butanone (MEK)	5.0	U	0.77	5.0
2-Hexanone	5.0	U	0.94	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	2.2	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.20	1.0
Bromoform	1.0	U	0.13	1.0
Bromomethane	1.0	U	0.32	1.0
Carbon disulfide	1.0	U	0.43	1.0
Carbon tetrachloride	1.0	U	0.43	1.0
Chlorobenzene	1.0	U	0.14	1.0
Chlorobromomethane	1.0	U	0.17	1.0
Chlorodibromomethane	1.0	U	0.15	1.0
Chloroethane	1.0	U	0.35	1.0
Chloroform	1.0	U	0.21	1.0
Chloromethane	1.0	U	0.38	1.0
cis-1,2-Dichloroethene	1.0	U	0.22	1.0
cis-1,3-Dichloropropene	1.0	U	0.15	1.0
Cyclohexane	1.0	U	0.46	1.0
Dichlorobromomethane	1.0	U	0.38	1.0
Dichlorodifluoromethane	1.0	U	0.32	1.0
Ethylbenzene	1.0	U	0.18	1.0
Ethylene Dibromide	1.0	U	0.12	1.0
Isopropylbenzene	1.0	U	0.17	1.0
Methyl acetate	5.0	U	0.90	5.0
Methyl tert-butyl ether	1.0	U	0.17	1.0
Methylcyclohexane	1.0	U	0.50	1.0
Methylene Chloride	1.0	U	0.32	1.0
m-Xylene & p-Xylene	1.0	U	0.11	1.0
o-Xylene	1.0	U	0.16	1.0
Styrene	1.0	U	0.15	1.0

Client: FPM Group Limited

Job Number: 460-108656-1

Method Blank - Batch: 460-350890

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-350890/7	Analysis Batch:	460-350890	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D19487.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 2151	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.0	U	0.28	1.0
Toluene	1.0	U	0.19	1.0
trans-1,2-Dichloroethene	1.0	U	0.39	1.0
trans-1,3-Dichloropropene	1.0	U	0.10	1.0
Trichloroethene	1.0	U	0.26	1.0
Trichlorofluoromethane	1.0	U	0.34	1.0
Vinyl chloride	1.0	U	0.39	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	78 - 135
4-Bromofluorobenzene	92	67 - 126
Dibromofluoromethane (Surr)	93	61 - 149
Toluene-d8 (Surr)	94	73 - 121

Method Blank TICs- Batch: 460-350890

Cas Number	Analyte	RT	Est. Result (ug/	Qual
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-350890

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-350890/3	Analysis Batch:	460-350890	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D19483.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 2014	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-350890/4	Analysis Batch:	460-350890	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D19484.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 2038	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
1,1,1-Trichloroethane	102	114	78 - 139	11	30		
1,1,2,2-Tetrachloroethane	96	99	64 - 128	3	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	70	113	83 - 136	47	30	*	*
1,1,2-Trichloroethane	97	102	76 - 118	6	30		
1,1-Dichloroethane	103	109	83 - 131	5	30		
1,1-Dichloroethene	95	117	80 - 120	21	30		
1,2,3-Trichlorobenzene	98	103	77 - 116	5	30		
1,2,4-Trichlorobenzene	104	107	77 - 116	3	30		
1,2-Dibromo-3-Chloropropane	94	102	63 - 131	9	30		
1,2-Dichlorobenzene	98	104	80 - 120	6	30		
1,2-Dichloroethane	101	105	75 - 132	4	30		
1,2-Dichloropropane	101	109	77 - 124	7	30		
1,3-Dichlorobenzene	99	104	80 - 120	5	30		
1,4-Dichlorobenzene	97	101	80 - 120	5	30		
1,4-Dioxane	95	97	80 - 128	2	30		
2-Butanone (MEK)	93	100	58 - 150	7	30		
2-Hexanone	102	107	75 - 137	5	30		
4-Methyl-2-pentanone (MIBK)	101	106	81 - 121	5	30		
Acetone	99	105	66 - 150	6	30		
Benzene	100	104	78 - 122	3	30		
Bromoform	94	98	47 - 150	4	30		
Bromomethane	104	100	74 - 125	4	30		
Carbon disulfide	89	109	82 - 127	20	30		
Carbon tetrachloride	105	113	62 - 150	8	30		
Chlorobenzene	101	106	80 - 120	4	30		
Chlorobromomethane	101	111	73 - 132	9	30		
Chlorodibromomethane	97	103	68 - 132	6	30		
Chloroethane	86	80	63 - 143	7	30		
Chloroform	105	109	80 - 120	4	30		
Chloromethane	99	92	73 - 130	7	30		
cis-1,2-Dichloroethene	102	106	80 - 120	4	30		
cis-1,3-Dichloropropene	101	106	75 - 118	5	30		
Cyclohexane	107	121	77 - 137	12	30		
Dichlorobromomethane	97	102	76 - 130	5	30		
Dichlorodifluoromethane	113	112	73 - 122	1	30		

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-350890

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-350890/3	Analysis Batch:	460-350890	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D19483.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 2014	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-350890/4	Analysis Batch:	460-350890	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D19484.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/17/2016 2038	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
Ethylbenzene	105	110	80 - 120	4	30		
Ethylene Dibromide	98	105	80 - 120	7	30		
Isopropylbenzene	106	112	80 - 120	6	30		
Methyl acetate	95	104	66 - 150	9	30		
Methyl tert-butyl ether	82	110	80 - 120	30	30		
Methylcyclohexane	115	121	84 - 127	5	30		
Methylene Chloride	92	107	80 - 120	14	30		
m-Xylene & p-Xylene	105	109	80 - 120	4	30		
o-Xylene	104	108	80 - 120	3	30		
Styrene	105	111	80 - 120	6	30		
Tetrachloroethene	107	111	68 - 130	3	30		
Toluene	100	104	80 - 120	3	30		
trans-1,2-Dichloroethene	104	110	86 - 126	6	30		
trans-1,3-Dichloropropene	97	101	73 - 118	4	30		
Trichloroethene	106	111	80 - 120	5	30		
Trichlorofluoromethane	96	103	73 - 134	7	30		
Vinyl chloride	106	101	77 - 130	5	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	99	78 - 135
4-Bromofluorobenzene	100	100	67 - 126
Dibromofluoromethane (Surr)	100	101	61 - 149
Toluene-d8 (Surr)	98	100	73 - 121

Client: FPM Group Limited

Job Number: 460-108656-1

Method Blank - Batch: 460-350975

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-350975/7	Analysis Batch:	460-350975	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D19514.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/18/2016 0903	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.38	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.17	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.44	1.0
1,1,2-Trichloroethane	1.0	U	0.28	1.0
1,1-Dichloroethane	1.0	U	0.34	1.0
1,1-Dichloroethene	1.0	U	0.41	1.0
1,2,3-Trichlorobenzene	1.0	U	0.11	1.0
1,2,4-Trichlorobenzene	1.0	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.47	1.0
1,2-Dichlorobenzene	1.0	U	0.14	1.0
1,2-Dichloroethane	1.0	U	0.11	1.0
1,2-Dichloropropane	1.0	U	0.17	1.0
1,3-Dichlorobenzene	1.0	U	0.12	1.0
1,4-Dichlorobenzene	1.0	U	0.13	1.0
1,4-Dioxane	20	U	6.4	20
2-Butanone (MEK)	5.0	U	0.77	5.0
2-Hexanone	5.0	U	0.94	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	2.2	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.20	1.0
Bromoform	1.0	U	0.13	1.0
Bromomethane	1.0	U	0.32	1.0
Carbon disulfide	1.0	U	0.43	1.0
Carbon tetrachloride	1.0	U	0.43	1.0
Chlorobenzene	1.0	U	0.14	1.0
Chlorobromomethane	1.0	U	0.17	1.0
Chlorodibromomethane	1.0	U	0.15	1.0
Chloroethane	1.0	U	0.35	1.0
Chloroform	1.0	U	0.21	1.0
Chloromethane	1.0	U	0.38	1.0
cis-1,2-Dichloroethene	1.0	U	0.22	1.0
cis-1,3-Dichloropropene	1.0	U	0.15	1.0
Cyclohexane	1.0	U	0.46	1.0
Dichlorobromomethane	1.0	U	0.38	1.0
Dichlorodifluoromethane	1.0	U	0.32	1.0
Ethylbenzene	1.0	U	0.18	1.0
Ethylene Dibromide	1.0	U	0.12	1.0
Isopropylbenzene	1.0	U	0.17	1.0
Methyl acetate	5.0	U	0.90	5.0
Methyl tert-butyl ether	1.0	U	0.17	1.0
Methylcyclohexane	1.0	U	0.50	1.0
Methylene Chloride	1.0	U	0.32	1.0
m-Xylene & p-Xylene	1.0	U	0.11	1.0
o-Xylene	1.0	U	0.16	1.0
Styrene	1.0	U	0.15	1.0

Client: FPM Group Limited

Job Number: 460-108656-1

Method Blank - Batch: 460-350975

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-350975/7	Analysis Batch:	460-350975	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D19514.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/18/2016 0903	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.0	U	0.28	1.0
Toluene	1.0	U	0.19	1.0
trans-1,2-Dichloroethene	1.0	U	0.39	1.0
trans-1,3-Dichloropropene	1.0	U	0.10	1.0
Trichloroethene	1.0	U	0.26	1.0
Trichlorofluoromethane	1.0	U	0.34	1.0
Vinyl chloride	1.0	U	0.39	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	78 - 135
4-Bromofluorobenzene	96	67 - 126
Dibromofluoromethane (Surr)	94	61 - 149
Toluene-d8 (Surr)	98	73 - 121

Method Blank TICs- Batch: 460-350975

Cas Number	Analyte	RT	Est. Result (ug/	Qual
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-350975

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-350975/3	Analysis Batch:	460-350975	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D19510.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/18/2016 0710	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-350975/4	Analysis Batch:	460-350975	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D19511.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/18/2016 0734	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
1,1,1-Trichloroethane	108	110	78 - 139	1	30		
1,1,2,2-Tetrachloroethane	94	96	64 - 128	3	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	96	90	83 - 136	7	30		
1,1,2-Trichloroethane	96	97	76 - 118	2	30		
1,1-Dichloroethane	104	106	83 - 131	2	30		
1,1-Dichloroethene	115	113	80 - 120	1	30		
1,2,3-Trichlorobenzene	99	103	77 - 116	4	30		
1,2,4-Trichlorobenzene	103	109	77 - 116	5	30		
1,2-Dibromo-3-Chloropropane	96	97	63 - 131	1	30		
1,2-Dichlorobenzene	99	102	80 - 120	3	30		
1,2-Dichloroethane	99	102	75 - 132	4	30		
1,2-Dichloropropane	103	105	77 - 124	2	30		
1,3-Dichlorobenzene	100	103	80 - 120	3	30		
1,4-Dichlorobenzene	98	100	80 - 120	2	30		
1,4-Dioxane	95	95	80 - 128	1	30		
2-Butanone (MEK)	94	97	58 - 150	4	30		
2-Hexanone	103	103	75 - 137	0	30		
4-Methyl-2-pentanone (MIBK)	101	102	81 - 121	0	30		
Acetone	97	99	66 - 150	2	30		
Benzene	100	100	78 - 122	0	30		
Bromoform	91	93	47 - 150	3	30		
Bromomethane	95	98	74 - 125	3	30		
Carbon disulfide	101	98	82 - 127	3	30		
Carbon tetrachloride	113	111	62 - 150	2	30		
Chlorobenzene	100	103	80 - 120	3	30		
Chlorobromomethane	102	103	73 - 132	1	30		
Chlorodibromomethane	94	99	68 - 132	5	30		
Chloroethane	78	73	63 - 143	7	30		
Chloroform	104	107	80 - 120	3	30		
Chloromethane	88	88	73 - 130	0	30		
cis-1,2-Dichloroethene	101	105	80 - 120	4	30		
cis-1,3-Dichloropropene	97	102	75 - 118	5	30		
Cyclohexane	118	118	77 - 137	0	30		
Dichlorobromomethane	96	97	76 - 130	1	30		
Dichlorodifluoromethane	109	114	73 - 122	4	30		

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-350975

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-350975/3	Analysis Batch:	460-350975	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D19510.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/18/2016 0710	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-350975/4	Analysis Batch:	460-350975	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D19511.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/18/2016 0734	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
Ethylbenzene	105	108	80 - 120	2	30		
Ethylene Dibromide	97	100	80 - 120	3	30		
Isopropylbenzene	108	111	80 - 120	2	30		
Methyl acetate	97	100	66 - 150	3	30		
Methyl tert-butyl ether	99	99	80 - 120	0	30		
Methylcyclohexane	120	119	84 - 127	1	30		
Methylene Chloride	102	101	80 - 120	1	30		
m-Xylene & p-Xylene	105	107	80 - 120	1	30		
o-Xylene	105	106	80 - 120	1	30		
Styrene	105	107	80 - 120	1	30		
Tetrachloroethene	110	110	68 - 130	0	30		
Toluene	99	101	80 - 120	2	30		
trans-1,2-Dichloroethene	106	107	86 - 126	1	30		
trans-1,3-Dichloropropene	96	97	73 - 118	1	30		
Trichloroethene	108	109	80 - 120	1	30		
Trichlorofluoromethane	100	98	73 - 134	2	30		
Vinyl chloride	97	102	77 - 130	5	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	98	78 - 135
4-Bromofluorobenzene	95	98	67 - 126
Dibromofluoromethane (Surr)	93	99	61 - 149
Toluene-d8 (Surr)	93	96	73 - 121

Client: FPM Group Limited

Job Number: 460-108656-1

Method Blank - Batch: 460-349730

Method: 8270D
Preparation: 3546

Lab Sample ID:	MB 460-349730/1-A	Analysis Batch:	460-351120	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-349730	Lab File ID:	x10806.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/19/2016 0753	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	330	U	28	330
1,2,4,5-Tetrachlorobenzene	330	U	25	330
2,2'-oxybis[1-chloropropane]	330	U	14	330
2,3,4,6-Tetrachlorophenol	330	U	31	330
2,4,5-Trichlorophenol	330	U	33	330
2,4,6-Trichlorophenol	130	U	9.4	130
2,4-Dichlorophenol	130	U	7.8	130
2,4-Dimethylphenol	330	U	73	330
2,4-Dinitrophenol	270	U	250	270
2,4-Dinitrotoluene	67	U	13	67
2,6-Dinitrotoluene	67	U	18	67
2-Chloronaphthalene	330	U	7.5	330
2-Chlorophenol	330	U	8.4	330
2-Methylnaphthalene	330	U	7.3	330
2-Methylphenol	330	U	14	330
2-Nitroaniline	330	U	11	330
2-Nitrophenol	330	U	11	330
3,3'-Dichlorobenzidine	130	U	37	130
3-Nitroaniline	330	U	9.8	330
4,6-Dinitro-2-methylphenol	270	U	88	270
4-Bromophenyl phenyl ether	330	U	10	330
4-Chloro-3-methylphenol	330	U	14	330
4-Chloroaniline	330	U	8.5	330
4-Chlorophenyl phenyl ether	330	U	9.9	330
4-Methylphenol	330	U	9.0	330
4-Nitroaniline	330	U	13	330
4-Nitrophenol	670	U	160	670
Acenaphthene	330	U	8.0	330
Acenaphthylene	330	U	8.5	330
Acetophenone	330	U	7.2	330
Anthracene	330	U	31	330
Atrazine	130	U	15	130
Benzaldehyde	330	U	25	330
Benzo[a]anthracene	33	U	28	33
Benzo[a]pyrene	33	U	10	33
Benzo[b]fluoranthene	33	U	13	33
Benzo[g,h,i]perylene	330	U	19	330
Benzo[k]fluoranthene	33	U	14	33
Bis(2-chloroethoxy)methane	330	U	10	330
Bis(2-chloroethyl)ether	33	U	7.8	33
Bis(2-ethylhexyl) phthalate	330	U	13	330
Butyl benzyl phthalate	330	U	10	330
Caprolactam	330	U	24	330
Carbazole	330	U	8.2	330
Chrysene	330	U	9.0	330

Client: FPM Group Limited

Job Number: 460-108656-1

Method Blank - Batch: 460-349730

Method: 8270D
Preparation: 3546

Lab Sample ID:	MB 460-349730/1-A	Analysis Batch:	460-351120	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-349730	Lab File ID:	x10806.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/19/2016 0753	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	33	U	17	33
Dibenzofuran	330	U	10	330
Diethyl phthalate	330	U	9.4	330
Dimethyl phthalate	330	U	9.6	330
Di-n-butyl phthalate	330	U	9.9	330
Di-n-octyl phthalate	330	U	17	330
Fluoranthene	330	U	9.8	330
Fluorene	330	U	7.2	330
Hexachlorobenzene	33	U	13	33
Hexachlorobutadiene	67	U	9.3	67
Hexachlorocyclopentadiene	330	U	21	330
Hexachloroethane	33	U	12	33
Indeno[1,2,3-cd]pyrene	33	U	22	33
Isophorone	130	U	7.1	130
Naphthalene	330	U	8.4	330
Nitrobenzene	33	U	10	33
N-Nitrosodi-n-propylamine	33	U	11	33
N-Nitrosodiphenylamine	330	U	30	330
Pentachlorophenol	270	U	40	270
Phenanthrene	330	U	8.8	330
Phenol	330	U	11	330
Pyrene	330	U	15	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	86	10 - 95
2-Fluorobiphenyl	67	27 - 84
2-Fluorophenol (Surr)	76	21 - 84
Nitrobenzene-d5 (Surr)	83	28 - 92
Phenol-d5 (Surr)	82	22 - 88
Terphenyl-d14 (Surr)	92	16 - 114

Method Blank TICs- Batch: 460-349730

Cas Number	Analyte	RT	Est. Result (ug/	Qual
	Aldol condensation product	2.67	2610	J A

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Control Sample - Batch: 460-349730

Method: 8270D
Preparation: 3546

Lab Sample ID:	LCS 460-349730/2-A	Analysis Batch:	460-351120	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-349730	Lab File ID:	x10800.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/19/2016 0532	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	3330	2610	78	64 - 103	
1,2,4,5-Tetrachlorobenzene	3330	2460	74	62 - 109	
2,2'-oxybis[1-chloropropane]	3330	3110	93	42 - 119	
2,3,4,6-Tetrachlorophenol	3330	3160	95	57 - 113	
2,4,5-Trichlorophenol	3330	2910	87	59 - 105	
2,4,6-Trichlorophenol	3330	2960	89	61 - 107	
2,4-Dichlorophenol	3330	3020	91	59 - 99	
2,4-Dimethylphenol	3330	3050	92	60 - 98	
2,4-Dinitrophenol	6670	6880	103	26 - 137	
2,4-Dinitrotoluene	3330	3290	99	61 - 118	
2,6-Dinitrotoluene	3330	3150	94	63 - 112	
2-Chloronaphthalene	3330	2660	80	63 - 102	
2-Chlorophenol	3330	2960	89	58 - 95	
2-Methylnaphthalene	3330	3020	91	64 - 102	
2-Methylphenol	3330	3140	94	56 - 99	
2-Nitroaniline	3330	2950	89	46 - 113	
2-Nitrophenol	3330	3110	93	63 - 103	
3,3'-Dichlorobenzidine	3330	1660	50	18 - 92	
3-Nitroaniline	3330	1610	48	23 - 89	
4,6-Dinitro-2-methylphenol	6670	6950	104	51 - 124	
4-Bromophenyl phenyl ether	3330	3330	100	65 - 114	
4-Chloro-3-methylphenol	3330	3340	100	58 - 108	
4-Chloroaniline	3330	1320	40	10 - 82	
4-Chlorophenyl phenyl ether	3330	2660	80	63 - 107	
4-Methylphenol	3330	3120	94	53 - 103	
4-Nitroaniline	3330	2870	86	44 - 109	
4-Nitrophenol	6670	6810	102	45 - 125	
Acenaphthene	3330	2410	72	59 - 102	
Acenaphthylene	3330	2780	84	63 - 102	
Acetophenone	3330	2860	86	56 - 107	
Anthracene	3330	3150	95	66 - 105	
Benzo[a]anthracene	3330	3120	93	65 - 106	
Benzo[a]pyrene	3330	3330	100	68 - 111	
Benzo[b]fluoranthene	3330	3400	102	67 - 116	
Benzo[g,h,i]perylene	3330	3130	94	49 - 124	
Benzo[k]fluoranthene	3330	3320	100	65 - 114	
Bis(2-chloroethoxy)methane	3330	3250	97	61 - 102	
Bis(2-chloroethyl)ether	3330	3130	94	58 - 102	
Bis(2-ethylhexyl) phthalate	3330	3350	100	60 - 125	
Butyl benzyl phthalate	3330	3320	100	62 - 123	
Carbazole	3330	3300	99	62 - 107	

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Control Sample - Batch: 460-349730

Method: 8270D
Preparation: 3546

Lab Sample ID:	LCS 460-349730/2-A	Analysis Batch:	460-351120	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-349730	Lab File ID:	x10800.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/19/2016 0532	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chrysene	3330	3300	99	64 - 105	
Dibenz(a,h)anthracene	3330	3180	96	54 - 126	
Dibenzofuran	3330	2720	82	62 - 102	
Diethyl phthalate	3330	3070	92	61 - 110	
Dimethyl phthalate	3330	2890	87	64 - 108	
Di-n-butyl phthalate	3330	3400	102	62 - 114	
Di-n-octyl phthalate	3330	3440	103	52 - 137	
Fluoranthene	3330	3280	98	59 - 109	
Fluorene	3330	2640	79	65 - 108	
Hexachlorobenzene	3330	3590	108	65 - 117	
Hexachlorobutadiene	3330	2760	83	60 - 105	
Hexachlorocyclopentadiene	3330	2670	80	37 - 119	
Hexachloroethane	3330	2870	86	60 - 94	
Indeno[1,2,3-cd]pyrene	3330	3060	92	50 - 134	
Isophorone	3330	3440	103	60 - 102	*
Naphthalene	3330	2890	87	64 - 99	
Nitrobenzene	3330	2880	87	59 - 102	
N-Nitrosodi-n-propylamine	3330	3120	94	56 - 112	
N-Nitrosodiphenylamine	6670	5930	89	71 - 119	
Pentachlorophenol	6670	7090	106	47 - 115	
Phenanthrene	3330	3130	94	66 - 105	
Phenol	3330	3120	94	55 - 99	
Pyrene	3330	3080	92	55 - 126	

Surrogate	% Rec		Acceptance Limits
2,4,6-Tribromophenol (Surr)	109	*	10 - 95
2-Fluorobiphenyl	78		27 - 84
2-Fluorophenol (Surr)	89	*	21 - 84
Nitrobenzene-d5 (Surr)	93	*	28 - 92
Phenol-d5 (Surr)	94	*	22 - 88
Terphenyl-d14 (Surr)	101		16 - 114

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Control Sample - Batch: 460-349730

Method: 8270D
Preparation: 3546

Lab Sample ID:	LCS 460-349730/3-A	Analysis Batch:	460-351120	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-349730	Lab File ID:	x10801.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/19/2016 0556	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Atrazine	6670	6160	92	41 - 116	
Benzaldehyde	6670	5300	79	55 - 116	
Caprolactam	6670	7800	117	44 - 129	

Surrogate	% Rec		Acceptance Limits
2,4,6-Tribromophenol (Surr)	95		10 - 95
2-Fluorobiphenyl	77		27 - 84
2-Fluorophenol (Surr)	88	*	21 - 84
Nitrobenzene-d5 (Surr)	96	*	28 - 92
Phenol-d5 (Surr)	94	*	22 - 88
Terphenyl-d14 (Surr)	93		16 - 114

Client: FPM Group Limited

Job Number: 460-108656-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-349730

Method: 8270D
Preparation: 3546

MS Lab Sample ID:	460-108656-7	Analysis Batch:	460-351120	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-349730	Lab File ID:	x10814.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0288 g
Analysis Date:	02/19/2016 1059			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-108656-7	Analysis Batch:	460-351120	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-349730	Lab File ID:	x10815.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0188 g
Analysis Date:	02/19/2016 1122			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	67	67	64 - 103	0	30		
1,2,4,5-Tetrachlorobenzene	65	65	62 - 109	0	30		
2,2'-oxybis[1-chloropropane]	75	74	42 - 119	1	30		
2,3,4,6-Tetrachlorophenol	62	61	57 - 113	1	30		
2,4,5-Trichlorophenol	63	66	59 - 105	4	30		
2,4,6-Trichlorophenol	68	67	61 - 107	0	30		
2,4-Dichlorophenol	66	70	59 - 99	5	30		
2,4-Dimethylphenol	68	70	60 - 98	3	30		
2,4-Dinitrophenol	29	25	26 - 137	16	30		*
2,4-Dinitrotoluene	75	75	61 - 118	0	30		
2,6-Dinitrotoluene	75	75	63 - 112	0	30		
2-Chloronaphthalene	67	65	63 - 102	2	30		
2-Chlorophenol	67	69	58 - 95	4	30		
2-Methylnaphthalene	69	71	64 - 102	2	30		
2-Methylphenol	69	70	56 - 99	2	30		
2-Nitroaniline	73	69	46 - 113	5	30		
2-Nitrophenol	72	72	63 - 103	1	30		
3,3'-Dichlorobenzidine	63	65	18 - 92	4	30		
3-Nitroaniline	47	48	23 - 89	2	30		
4,6-Dinitro-2-methylphenol	56	49	51 - 124	13	30		*
4-Bromophenyl phenyl ether	84	87	65 - 114	3	30		
4-Chloro-3-methylphenol	72	73	58 - 108	1	30		
4-Chloroaniline	22	24	10 - 82	9	30		
4-Chlorophenyl phenyl ether	65	67	63 - 107	2	30		
4-Methylphenol	67	70	53 - 103	5	30		
4-Nitroaniline	65	65	44 - 109	0	30		
4-Nitrophenol	71	66	45 - 125	7	30		
Acenaphthene	61	60	59 - 102	2	30		
Acenaphthylene	68	66	63 - 102	2	30		
Acetophenone	66	67	56 - 107	1	30		
Anthracene	73	74	66 - 105	1	30		
Atrazine	83	85	41 - 116	3	30		

Client: FPM Group Limited

Job Number: 460-108656-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-349730

Method: 8270D
Preparation: 3546

MS Lab Sample ID:	460-108656-7	Analysis Batch:	460-351120	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-349730	Lab File ID:	x10814.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0288 g
Analysis Date:	02/19/2016 1059			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-108656-7	Analysis Batch:	460-351120	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-349730	Lab File ID:	x10815.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0188 g
Analysis Date:	02/19/2016 1122			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzaldehyde	59	61	55 - 116	4	30		
Benzo[a]anthracene	72	73	65 - 106	2	30		
Benzo[a]pyrene	77	79	68 - 111	2	30		
Benzo[b]fluoranthene	69	71	67 - 116	2	30		
Benzo[g,h,i]perylene	112	115	49 - 124	3	30		
Benzo[k]fluoranthene	69	70	65 - 114	1	30		
Bis(2-chloroethoxy)methane	80	81	61 - 102	2	30		
Bis(2-chloroethyl)ether	74	72	58 - 102	1	30		
Bis(2-ethylhexyl) phthalate	88	88	60 - 125	1	30		
Butyl benzyl phthalate	89	89	62 - 123	0	30		
Caprolactam	63	59	44 - 129	7	30		
Carbazole	73	74	62 - 107	2	30		
Chrysene	77	79	64 - 105	3	30		
Dibenz(a,h)anthracene	104	106	54 - 126	3	30		
Dibenzofuran	65	64	62 - 102	1	30		
Diethyl phthalate	76	77	61 - 110	1	30		
Dimethyl phthalate	75	76	64 - 108	1	30		
Di-n-butyl phthalate	90	91	62 - 114	1	30		
Di-n-octyl phthalate	61	62	52 - 137	0	30		
Fluoranthene	66	68	59 - 109	3	30		
Fluorene	62	63	65 - 108	1	30	*	*
Hexachlorobenzene	82	86	65 - 117	5	30		
Hexachlorobutadiene	66	69	60 - 105	4	30		
Hexachlorocyclopentadiene	52	54	37 - 119	3	30		
Hexachloroethane	67	67	60 - 94	1	30		
Indeno[1,2,3-cd]pyrene	103	107	50 - 134	4	30		
Isophorone	84	84	60 - 102	0	30		
Naphthalene	69	70	64 - 99	2	30		
Nitrobenzene	71	69	59 - 102	3	30		
N-Nitrosodi-n-propylamine	73	73	56 - 112	0	30		
N-Nitrosodiphenylamine	80	81	71 - 119	2	30		
Pentachlorophenol	68	65	47 - 115	4	30		

Client: FPM Group Limited

Job Number: 460-108656-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-349730

Method: 8270D
Preparation: 3546

MS Lab Sample ID:	460-108656-7	Analysis Batch:	460-351120	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-349730	Lab File ID:	x10814.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0288 g
Analysis Date:	02/19/2016 1059			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-108656-7	Analysis Batch:	460-351120	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-349730	Lab File ID:	x10815.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0188 g
Analysis Date:	02/19/2016 1122			Final Weight/Volume:	1 mL
Prep Date:	02/11/2016 0949			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenanthrene	74	75	66 - 105	2	30		
Phenol	72	72	55 - 99	0	30		
Pyrene	71	72	55 - 126	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	72	73	10 - 95
2-Fluorobiphenyl	68	68	27 - 84
2-Fluorophenol (Surr)	68	69	21 - 84
Nitrobenzene-d5 (Surr)	76	75	28 - 92
Phenol-d5 (Surr)	72	72	22 - 88
Terphenyl-d14 (Surr)	81	83	16 - 114

Client: FPM Group Limited

Job Number: 460-108656-1

Method Blank - Batch: 460-349684

Method: 8081B
Preparation: 3546

Lab Sample ID:	MB 460-349684/1-A	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-349684	Lab File ID:	P4018848.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/11/2016 1001	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/11/2016 0422			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	6.7	U	0.88	6.7
4,4'-DDE	6.7	U	0.97	6.7
4,4'-DDT	6.7	U	0.69	6.7
Aldrin	6.7	U	0.81	6.7
alpha-BHC	2.0	U	0.61	2.0
beta-BHC	2.0	U	0.65	2.0
Chlordane (technical)	67	U	30	67
delta-BHC	2.0	U	0.73	2.0
Dieldrin	2.0	U	0.87	2.0
Endosulfan I	6.7	U	0.93	6.7
Endosulfan II	6.7	U	1.1	6.7
Endosulfan sulfate	6.7	U	0.78	6.7
Endrin	6.7	U	0.85	6.7
Endrin aldehyde	6.7	U	0.83	6.7
Endrin ketone	6.7	U	0.93	6.7
gamma-BHC (Lindane)	2.0	U	0.60	2.0
Heptachlor	6.7	U	0.86	6.7
Heptachlor epoxide	6.7	U	1.3	6.7
Methoxychlor	6.7	U	1.4	6.7
Toxaphene	67	U	20	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	147	55 - 148
Tetrachloro-m-xylene	134	55 - 139

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	141	55 - 148
Tetrachloro-m-xylene	130	55 - 139

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Control Sample - Batch: 460-349684

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-349684/2-A	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-349684	Lab File ID:	P4018849.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/11/2016 1014	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/11/2016 0422			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	133	145	109	61 - 140	
4,4'-DDE	133	144	108	61 - 135	
4,4'-DDT	133	153	115	59 - 133	
Aldrin	133	146	110	61 - 133	
alpha-BHC	133	149	112	61 - 137	
beta-BHC	133	145	109	59 - 136	
delta-BHC	133	149	112	60 - 139	
Dieldrin	133	144	108	61 - 137	
Endosulfan I	133	142	107	60 - 135	
Endosulfan II	133	146	110	61 - 130	
Endosulfan sulfate	133	149	112	60 - 129	
Endrin	133	137	103	59 - 133	
Endrin aldehyde	133	147	110	57 - 131	
Endrin ketone	133	146	110	57 - 138	
gamma-BHC (Lindane)	133	144	108	61 - 138	
Heptachlor	133	143	107	61 - 135	
Heptachlor epoxide	133	142	107	61 - 129	
Methoxychlor	133	144	108	60 - 129	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	124	55 - 148
Tetrachloro-m-xylene	114	55 - 139

Lab Control Sample - Batch: 460-349684

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-349684/2-A	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-349684	Lab File ID:	P4018849.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/11/2016 1014	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/11/2016 0422			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	133	138	104	61 - 140	
4,4'-DDE	133	138	104	61 - 135	
4,4'-DDT	133	142	106	59 - 133	
Aldrin	133	141	106	61 - 133	
alpha-BHC	133	146	110	61 - 137	
beta-BHC	133	145	108	59 - 136	

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Control Sample - Batch: 460-349684

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-349684/2-A	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-349684	Lab File ID:	P4018849.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/11/2016 1014	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/11/2016 0422			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
delta-BHC	133	145	108	60 - 139	
Dieldrin	133	140	105	61 - 137	
Endosulfan I	133	140	105	60 - 135	
Endosulfan II	133	140	105	61 - 130	
Endosulfan sulfate	133	137	103	60 - 129	
Endrin	133	133	100	59 - 133	
Endrin aldehyde	133	141	105	57 - 131	
Endrin ketone	133	146	109	57 - 138	
gamma-BHC (Lindane)	133	142	106	61 - 138	
Heptachlor	133	137	103	61 - 135	
Heptachlor epoxide	133	141	106	61 - 129	
Methoxychlor	133	133	100	60 - 129	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	121	55 - 148
Tetrachloro-m-xylene	112	55 - 139

Client: FPM Group Limited

Job Number: 460-108656-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-349684

Method: 8081B
Preparation: 3546

MS Lab Sample ID:	460-108589-A-1-A MS	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-349684	Lab File ID:	P4018850.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0062 g
Analysis Date:	02/11/2016 1027			Final Weight/Volume:	10 mL
Prep Date:	02/11/2016 0422			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-108589-A-1-B MSD	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-349684	Lab File ID:	P4018851.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0019 g
Analysis Date:	02/11/2016 1040			Final Weight/Volume:	10 mL
Prep Date:	02/11/2016 0422			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	118	118	61 - 140	0	30		
4,4'-DDE	114	118	61 - 135	3	30		
4,4'-DDT	124	126	59 - 133	2	30		
Aldrin	123	122	61 - 133	1	30		
alpha-BHC	123	123	61 - 137	0	30		
beta-BHC	121	120	59 - 136	0	30		
delta-BHC	124	124	60 - 139	0	30		
Dieldrin	120	119	61 - 137	1	30		
Endosulfan I	116	117	60 - 135	0	30		
Endosulfan II	116	119	61 - 130	2	30		
Endosulfan sulfate	116	121	60 - 129	4	30		
Endrin	114	113	59 - 133	1	30		
Endrin aldehyde	118	120	57 - 131	1	30		
Endrin ketone	123	124	57 - 138	1	30		
gamma-BHC (Lindane)	120	120	61 - 138	0	30		
Heptachlor	119	119	61 - 135	0	30		
Heptachlor epoxide	117	117	61 - 129	0	30		
Methoxychlor	115	119	60 - 129	3	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	137	132	55 - 148
Tetrachloro-m-xylene	123	124	55 - 139

Client: FPM Group Limited

Job Number: 460-108656-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-349684

Method: 8081B
Preparation: 3546

MS Lab Sample ID:	460-108589-A-1-A MS	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-349684	Lab File ID:	P4018850.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0062 g
Analysis Date:	02/11/2016 1027			Final Weight/Volume:	10 mL
Prep Date:	02/11/2016 0422			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-108589-A-1-B MSD	Analysis Batch:	460-349695	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-349684	Lab File ID:	P4018851.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0019 g
Analysis Date:	02/11/2016 1040			Final Weight/Volume:	10 mL
Prep Date:	02/11/2016 0422			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	115	118	61 - 140	3	30		
4,4'-DDE	112	115	61 - 135	3	30		
4,4'-DDT	118	117	59 - 133	1	30		
Aldrin	109	115	61 - 133	5	30		
alpha-BHC	113	120	61 - 137	6	30		
beta-BHC	112	117	59 - 136	5	30		
delta-BHC	112	118	60 - 139	5	30		
Dieldrin	110	114	61 - 137	4	30		
Endosulfan I	110	116	60 - 135	5	30		
Endosulfan II	116	115	61 - 130	0	30		
Endosulfan sulfate	115	114	60 - 129	0	30		
Endrin	107	111	59 - 133	3	30		
Endrin aldehyde	116	116	57 - 131	0	30		
Endrin ketone	115	119	57 - 138	4	30		
gamma-BHC (Lindane)	110	115	61 - 138	5	30		
Heptachlor	106	111	61 - 135	5	30		
Heptachlor epoxide	110	116	61 - 129	5	30		
Methoxychlor	112	110	60 - 129	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	131	131	55 - 148
Tetrachloro-m-xylene	122	120	55 - 139

Client: FPM Group Limited

Job Number: 460-108656-1

Method Blank - Batch: 460-349685

Method: 8082A
Preparation: 3546

Lab Sample ID:	MB 460-349685/1-A	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-349685	Lab File ID:	T1315370.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/11/2016 1350	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/11/2016 0429			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	67	U	8.9	67
Aroclor 1221	67	U	8.9	67
Aroclor 1232	67	U	8.9	67
Aroclor 1242	67	U	8.9	67
Aroclor 1248	67	U	8.9	67
Aroclor 1254	67	U	9.2	67
Aroclor 1260	67	U	9.2	67
Aroclor-1262	67	U	9.2	67
Aroclor 1268	67	U	9.2	67
Polychlorinated biphenyls, Total	67	U	9.2	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	104	47 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	98	47 - 150

Client: FPM Group Limited

Job Number: 460-108656-1

Lab Control Sample - Batch: 460-349685

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-349685/2-A	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-349685	Lab File ID:	T1315371.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/11/2016 1405	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/11/2016 0429			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	306	92	70 - 149	
Aroclor 1260	333	298	89	71 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	98	47 - 150

Lab Control Sample - Batch: 460-349685

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-349685/2-A	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-349685	Lab File ID:	T1315371.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/11/2016 1405	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/11/2016 0429			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	301	90	70 - 149	
Aroclor 1260	333	295	89	71 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	93	47 - 150

Client: FPM Group Limited

Job Number: 460-108656-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-349685

Method: 8082A
Preparation: 3546

MS Lab Sample ID:	460-108589-A-1-D MS	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-349685	Lab File ID:	T1315372.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0032 g
Analysis Date:	02/11/2016 1419			Final Weight/Volume:	10 mL
Prep Date:	02/11/2016 0429			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-108589-A-1-E MSD	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-349685	Lab File ID:	T1315373.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0058 g
Analysis Date:	02/11/2016 1434			Final Weight/Volume:	10 mL
Prep Date:	02/11/2016 0429			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	102	112	70 - 149	9	30		
Aroclor 1260	103	110	71 - 150	7	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	116	120	47 - 150

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-349685

Method: 8082A
Preparation: 3546

MS Lab Sample ID:	460-108589-A-1-D MS	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-349685	Lab File ID:	T1315372.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0032 g
Analysis Date:	02/11/2016 1419			Final Weight/Volume:	10 mL
Prep Date:	02/11/2016 0429			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-108589-A-1-E MSD	Analysis Batch:	460-349790	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-349685	Lab File ID:	T1315373.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0058 g
Analysis Date:	02/11/2016 1434			Final Weight/Volume:	10 mL
Prep Date:	02/11/2016 0429			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	101	110	70 - 149	8	30		
Aroclor 1260	103	110	71 - 150	7	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	111	116	47 - 150

Client: FPM Group Limited

Job Number: 460-108656-1

Method Blank - Batch: 460-349722

Method: 6010C
Preparation: 3050B

Lab Sample ID:	MB 460-349722/1-A ^2	Analysis Batch:	460-350243	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-349722	Lab File ID:	02142016.asc
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	02/14/2016 1249	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0934				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	20.0	U	10.3	20.0
Antimony	2.0	U	0.79	2.0
Arsenic	1.5	U	0.49	1.5
Barium	20.0	U	0.72	20.0
Beryllium	0.20	U	0.17	0.20
Cadmium	0.40	U	0.21	0.40
Calcium	500	U	29.6	500
Chromium	1.0	U	0.48	1.0
Cobalt	5.0	U	0.58	5.0
Copper	2.5	U	0.65	2.5
Iron	15.0	U	11.3	15.0
Lead	1.0	U	0.39	1.0
Magnesium	500	U	25.0	500
Manganese	1.5	U	0.53	1.5
Nickel	4.0	U	0.73	4.0
Potassium	500	U	15.2	500
Selenium	2.0	U	0.69	2.0
Silver	1.0	U	0.18	1.0
Sodium	500	U	33.9	500
Thallium	2.0	U	0.89	2.0
Vanadium	5.0	U	0.50	5.0
Zinc	3.0	U	0.73	3.0

Client: FPM Group Limited

Job Number: 460-108656-1

LCS-Certified Reference Material - Batch: 460-349722

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCSSRM 460-349722/2-A	Analysis Batch:	460-350243	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-349722	Lab File ID:	02142016.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	02/14/2016 1234	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0934				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	7930	7290	91.9	50.2 - 150.1	
Antimony	105	79.35	75.6	0.1 - 201.0	
Arsenic	98.5	96.29	97.8	77.8 - 122.8	
Barium	308	318.2	103.3	82.5 - 117.5	
Beryllium	66.0	65.63	99.4	83.0 - 116.8	
Cadmium	146	142.7	97.7	82.9 - 117.8	
Calcium	6610	6388	96.6	83.7 - 116.2	
Chromium	182	180.0	98.9	79.7 - 120.3	
Cobalt	162	164.9	101.8	83.3 - 116.0	
Copper	106	103.5	97.7	81.5 - 118.9	
Iron	14400	13230	91.9	44.1 - 155.6	
Lead	130	132.4	101.8	82.3 - 117.7	
Magnesium	2640	2473	93.7	75.8 - 124.6	
Manganese	410	432.2	105.4	81.2 - 119.0	
Nickel	149	154.5	103.7	82.6 - 117.4	
Potassium	2550	2398	94.0	69.0 - 130.6	
Selenium	154	149.6	97.1	77.9 - 122.1	
Silver	40.9	37.71	92.2	75.1 - 124.7	
Sodium	2480	2424	97.7	70.6 - 129.0	
Thallium	175	184.2	105.3	78.3 - 121.1	
Vanadium	96.7	92.43	95.6	77.2 - 123.1	
Zinc	191	191.9	100.5	83.2 - 116.8	

Client: FPM Group Limited

Job Number: 460-108656-1

Matrix Spike - Batch: 460-349722

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-108629-A-2-C MS ^4	Analysis Batch:	460-350243	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-349722	Lab File ID:	02142016.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	02/14/2016 1256	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0934				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	4200		261	10410	2376	75 - 125	4
Antimony	5.4	U	65.3	36.53	56	75 - 125	N
Arsenic	7.5		261	247.2	92	75 - 125	
Barium	15.2	J	261	276.0	100	75 - 125	
Beryllium	0.49	J	6.53	7.10	101	75 - 125	
Cadmium	1.1	U	6.53	6.32	97	75 - 125	
Calcium	393	J	2610	2854	94	75 - 125	
Chromium	18.5		26.1	57.26	148	75 - 125	N
Cobalt	2.8	J	65.3	68.52	101	75 - 125	
Copper	28.7		32.7	71.60	131	75 - 125	N
Iron	10000		131	13200	2410	75 - 125	4
Lead	15.9		65.3	82.21	101	75 - 125	
Magnesium	269	J	2610	2801	97	75 - 125	
Manganese	48.6		65.3	121.1	111	75 - 125	
Nickel	4.2	J	65.3	72.18	104	75 - 125	
Potassium	604	J	2610	2833	85	75 - 125	
Selenium	5.4	U	261	238.3	91	75 - 125	
Silver	2.7	U	6.53	5.47	84	75 - 125	
Sodium	1350	U	2610	2558	98	75 - 125	
Thallium	5.4	U	261	261.3	100	75 - 125	
Vanadium	32.9		65.3	106.8	113	75 - 125	
Zinc	13.2		65.3	82.48	106	75 - 125	

Client: FPM Group Limited

Job Number: 460-108656-1

Duplicate - Batch: 460-349722

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-108629-A-2-B DU ^4	Analysis Batch:	460-350243	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-349722	Lab File ID:	02142016.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	02/14/2016 1300	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0934				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	4200		5363	24	20	*
Antimony	5.4	U	5.3	NC	20	U
Arsenic	7.5		8.55	13	20	
Barium	15.2	J	20.00	27	20	J
Beryllium	0.49	J	0.575	16	20	
Cadmium	1.1	U	1.1	NC	20	U
Calcium	393	J	434.2	10	20	J
Chromium	18.5		22.26	18	20	
Cobalt	2.8	J	5.13	57	20	J
Copper	28.7		34.37	18	20	
Iron	10000		12200	19	20	
Lead	15.9		22.62	35	20	*
Magnesium	269	J	306.9	13	20	J
Manganese	48.6		55.76	14	20	
Nickel	4.2	J	5.91	34	20	J
Potassium	604	J	636.4	5	20	J
Selenium	5.4	U	5.3	NC	20	U
Silver	2.7	U	2.7	NC	20	U
Sodium	1350	U	1330	NC	20	U
Thallium	5.4	U	5.3	NC	20	U
Vanadium	32.9		36.44	10	20	
Zinc	13.2		22.87	53	20	*

Client: FPM Group Limited

Job Number: 460-108656-1

Method Blank - Batch: 460-349700

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 460-349700/1-A	Analysis Batch:	460-349764	Instrument ID:	LEEMAN6
Client Matrix:	Solid	Prep Batch:	460-349700	Lab File ID:	349699HG.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	02/11/2016 0900	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0433				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.017	U	0.012	0.017

LCS-Certified Reference Material - Batch: 460-349700

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCSSRM 460-349700/2-A	Analysis Batch:	460-349764	Instrument ID:	LEEMAN6
Client Matrix:	Solid	Prep Batch:	460-349700	Lab File ID:	349699HG.CSV
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	02/11/2016 0902	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0433				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	7.10	6.91	97.4	73.7 - 126.3	

Matrix Spike - Batch: 460-349700

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-108472-A-1-D MS	Analysis Batch:	460-349764	Instrument ID:	LEEMAN6
Client Matrix:	Solid	Prep Batch:	460-349700	Lab File ID:	349699HG.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.65 g
Analysis Date:	02/11/2016 0908	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0433				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.018	U	0.0859	0.0945	110	75 - 125	

Client: FPM Group Limited

Job Number: 460-108656-1

Duplicate - Batch: 460-349700

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-108472-A-1-C DU	Analysis Batch:	460-349764	Instrument ID:	LEEMAN6
Client Matrix:	Solid	Prep Batch:	460-349700	Lab File ID:	349699HG.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.65 g
Analysis Date:	02/11/2016 0906	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/11/2016 0433				
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: 460-108656-1

Duplicate - Batch: 460-349745

Method: Moisture
Preparation: N/A

Lab Sample ID:	460-108658-D-3 DU	Analysis Batch:	460-349745	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:	02/11/2016 1014	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	19.4	18.8	3	20	
Percent Solids	80.6	81.2	0.7	20	

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

460-108656 Chain of Custody

02/24/2016

Name (for report and invoice): George Holmes	Samplers Name (Printed): George Holmes	Site/Project Identification: Queens Boulevard (QB)
Company: FPM Group	P. O. #: 11219-15-10	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program: CAT A DKQP: ☐
Address: 909 Marconi Avenue	Analysis Turnaround Time: Standard ☒	LAB USE ONLY Project No:
City: Ronkonkoma State: NY 11779	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	Job No: 108656
Phone: (631) 777-6200 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	Mercury						Sample Numbers
SB-4 (0-2)	2/4/16	9:00	S	S	X	X	X	X	X	X						-1
SB-4 (18-20)	↓	9:30	↓	↓	↓	↓	↓	↓	↓	↓						-2
SB-2 (0-2)	↓	10:00	↓	↓	↓	↓	↓	↓	↓	↓						-3
SB-2 (17-19)	↓	10:30	↓	↓	↓	↓	↓	↓	↓	↓						-4
SB-1 (0-2)	↓	11:00	↓	↓	↓	↓	↓	↓	↓	↓						-5
SB-1 (10-12)	↓	12:00	↓	↓	↓	↓	↓	↓	↓	↓						-6
SB-1 (21-23)	↓	11:30	↓	↓	↓	↓	↓	↓	↓	↓						-7
TB0204	↓	8:30	Aq	↓	↓											-8
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH				Soil:	1	1	1	1	1	1						
6 = Other _____, 7 = Other _____				Water:	1,2											

SHORT HOLD

Special Instructions _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
	FPM	2/5/16	1)	
Relinquished by 2)	Company T. A	Date / Time 2/5/16 19:00	Received by 2)	Company TA
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 (0715)

Massachusetts (M-NJ312), North Carolina (No. 578) 1.4/2.2 EHS & NOC,

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 108656

Number of Coolers: 1 IR Gun # 6

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.9 °C	2.5 °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: _____ Date: 2/5/16

Login Sample Receipt Checklist

Client: FPM Group Limited

Job Number: 460-108656-1

Login Number: 108656
List Number: 1
Creator: Rivera, Kenneth

List Source: TestAmerica Edison

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	2.4°C, IR #6
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 (excluding tests with immediate HTs)	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.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

ANALYTICAL REPORT

Job Number: 460-108944-1

Job Description: Queens Boulevard (QB)

For:
FPM Group Limited
909 Marconi Avenue
Ronkonkoma, NY 11779

Attention: George Holmes

Approved for release.
Shalini Williams
Project Management Assistant II
2/26/2016 3:54 PM

Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
02/26/2016

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: Queens Boulevard (QB)

Report Number: 460-108944-1

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 2/12/2016 3:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4º 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.

VOLATILE ORGANICS
Samples MW-1 (460-108944-1), MW-2 (460-108944-2), MW-3 (460-108944-3), MW-4 (460-108944-4) and TB0211 (460-108944-5) were analyzed for Volatile organics in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 02/20/2016 and 02/21/2016.

The continuing calibration verification (CCV) associated with batch 460-351432 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane and Methyl acetate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-351543 recovered above the upper control limit for Freon TF and Methyl Acetate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

1,4-Dioxane exceeded the RPD limit for the MSD of sample 460-108918-1 in batch 460-351432. 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 MW-1 (460-108944-1), MW-2 (460-108944-2) and MW-4 (460-108944-4) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 02/17/2016 and analyzed on 02/19/2016.

The continuing calibration verification (CCV) analyzed in 460-351295 was outside the method criteria for the following analyte(s): Atrazine, Caprolactam, Bis(2-ethylhexyl) phthalate, Di-n-butyl phthalate and Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-351678 was outside the method criteria for the following analyte(s): Atrazine, Caprolactam, 4-Nitrophenol, Bis(2-ethylhexyl) phthalate, Di-n-butyl phthalate, Fluoranthene, Hexachlorocyclopentadiene and Di-n-octyl phthalate. 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.

The continuing calibration verification (CCV) analyzed in batch 460-351887 was outside the method criteria for the following analyte(s): N-Nitrosodi-n-propylamine, 3-Nitroaniline, 2,4-Dinitrotoluene, Hexachlorocyclopentadiene, 4-Nitroaniline and Hexachlorobutadiene. 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.

No other difficulties were encountered during the semivolatiles analysis.

All quality control parameters were within the acceptance limits.

PESTICIDES

Samples MW-1 (460-108944-1), MW-2 (460-108944-2) and MW-4 (460-108944-4) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 02/17/2016 and analyzed on 02/18/2016.

No difficulties were encountered during the pesticides analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples MW-1 (460-108944-1), MW-2 (460-108944-2) and MW-4 (460-108944-4) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 02/17/2016 and analyzed on 02/19/2016.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

METALS

Samples MW-1 (460-108944-1), MW-2 (460-108944-2) and MW-4 (460-108944-4) were analyzed for Metals in accordance with EPA SW-846 Methods 6010C. The samples were prepared on 02/18/2016 and analyzed on 02/20/2016.

Samples MW-1 (460-108944-1)[3X], MW-2 (460-108944-2)[2X] and MW-4 (460-108944-4)[3X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following samples were diluted due to the nature of the sample matrix (high Iron): MW-1 (460-108944-1), MW-2 (460-108944-2) and MW-4 (460-108944-4). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the Metals analysis.

All quality control parameters were within the acceptance limits.

METALS

Samples MW-1 (460-108944-1), MW-2 (460-108944-2) and MW-4 (460-108944-4) were analyzed for Metals in accordance with EPA SW-846 Methods 6010C. The samples were prepared on 02/18/2016 and analyzed on 02/19/2016 and 02/24/2016.

Samples MW-1 (460-108944-1)[10X], MW-2 (460-108944-2)[10X] and MW-4 (460-108944-4)[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.

DISSOLVED MERCURY

Samples MW-1 (460-108944-1), MW-2 (460-108944-2) and MW-4 (460-108944-4) were analyzed for dissolved mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 02/17/2016.

No difficulties were encountered during the dissolved Hg analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples MW-1 (460-108944-1), MW-2 (460-108944-2) and MW-4 (460-108944-4) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 02/17/2016.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-108944-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-108944-1	**MW-1**					
Chloroform		0.36	J	1.0	ug/L	8260C
Tetrachloroethene		1.4		1.0	ug/L	8260C
Diethyl phthalate		1.4	J	10	ug/L	8270D
Aluminum		248000		2000	ug/L	6010C
Arsenic		98.7	J	150	ug/L	6010C
Barium		3220		2000	ug/L	6010C
Beryllium		18.7	J	20.0	ug/L	6010C
Calcium		241000		50000	ug/L	6010C
Chromium		791		100	ug/L	6010C
Cobalt		308	J	500	ug/L	6010C
Copper		731		250	ug/L	6010C
Iron		540000		1500	ug/L	6010C
Lead		349		100	ug/L	6010C
Magnesium		129000		50000	ug/L	6010C
Manganese		16200		150	ug/L	6010C
Nickel		569		400	ug/L	6010C
Potassium		46300	J	50000	ug/L	6010C
Sodium		427000		50000	ug/L	6010C
Vanadium		827		500	ug/L	6010C
Zinc		1480		300	ug/L	6010C
Mercury		0.58		0.20	ug/L	7470A
Dissolved						
Barium		264		200	ug/L	6010C
Calcium		135000		5000	ug/L	6010C
Magnesium		23700		5000	ug/L	6010C
Manganese		887		15.0	ug/L	6010C
Potassium		5020		5000	ug/L	6010C
Sodium		466000		15000	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-108944-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-108944-2	**MW-2**					
Tetrachloroethene		0.24	J	1.0	ug/L	8260C
Aluminum		385000		2000	ug/L	6010C
Arsenic		178		150	ug/L	6010C
Barium		8070		2000	ug/L	6010C
Beryllium		32.2		20.0	ug/L	6010C
Calcium		169000		50000	ug/L	6010C
Chromium		1120		100	ug/L	6010C
Cobalt		617		500	ug/L	6010C
Copper		1140		250	ug/L	6010C
Iron		1820000		1500	ug/L	6010C
Lead		333		100	ug/L	6010C
Magnesium		130000		50000	ug/L	6010C
Manganese		62400		150	ug/L	6010C
Nickel		795		400	ug/L	6010C
Potassium		54900		50000	ug/L	6010C
Sodium		301000		50000	ug/L	6010C
Vanadium		1870		500	ug/L	6010C
Zinc		1540		300	ug/L	6010C
Dissolved						
Barium		130	J	200	ug/L	6010C
Calcium		135000		5000	ug/L	6010C
Magnesium		32200		5000	ug/L	6010C
Manganese		21.4		15.0	ug/L	6010C
Potassium		4070	J	5000	ug/L	6010C
Sodium		333000		10000	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-108944-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-108944-4	**MW-4**					
Chloroform		0.32	J	1.0	ug/L	8260C
Tetrachloroethene		1.6		1.0	ug/L	8260C
Aluminum		245000		2000	ug/L	6010C
Arsenic		92.2	J	150	ug/L	6010C
Barium		3020		2000	ug/L	6010C
Calcium		199000		50000	ug/L	6010C
Chromium		724		100	ug/L	6010C
Cobalt		282	J	500	ug/L	6010C
Copper		586		250	ug/L	6010C
Iron		487000		1500	ug/L	6010C
Lead		186		100	ug/L	6010C
Magnesium		139000		50000	ug/L	6010C
Manganese		8960		150	ug/L	6010C
Nickel		548		400	ug/L	6010C
Potassium		58300		50000	ug/L	6010C
Sodium		412000		50000	ug/L	6010C
Vanadium		799		500	ug/L	6010C
Zinc		1280		300	ug/L	6010C
Mercury		0.17	J	0.20	ug/L	7470A
Dissolved						
Barium		274		200	ug/L	6010C
Calcium		128000		5000	ug/L	6010C
Magnesium		23500		5000	ug/L	6010C
Manganese		465		15.0	ug/L	6010C
Potassium		4610	J	5000	ug/L	6010C
Sodium		476000		15000	ug/L	6010C

METHOD SUMMARY

Client: FPM Group Limited | Job Number: 460-108944-1

Description	Lab Location	Method	Preparation Method
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:

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: 460-108944-1

Method	Analyst	Analyst ID
SW846 8260C	Starzec, Margaret	MZS
SW846 8260C	Tupayachi, Audberto	AAT
SW846 8270D	Crocco, Michael	MMC
SW846 8081B	Kapoor, Sita	SAK
SW846 8082A	Adou, Marie J	MJA
SW846 6010C	Chang, Churn Der	CDC
SW846 6010C	Huang, Yixin	YZH
SW846 6010C	Patel, Purva H	PHP
SW846 7470A	Sheikh, Razia B	RBS
SW846 7470A	Staib, Thomas	TJS

SAMPLE SUMMARY

Client: FPM Group Limited

Job Number: 460-108944-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-108944-1	MW-1	Water	02/11/2016 1000	02/12/2016 1500
460-108944-2	MW-2	Water	02/11/2016 1130	02/12/2016 1500
460-108944-3	MW-3	Water	02/11/2016 1300	02/12/2016 1500
460-108944-4	MW-4	Water	02/11/2016 1100	02/12/2016 1500
460-108944-5TB	TB0211	Water	02/11/2016 0900	02/12/2016 1500

SAMPLE RESULTS

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-1**

Lab Sample ID: 460-108944-1
Client Matrix: Water

Date Sampled: 02/11/2016 1000
Date Received: 02/12/2016 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36592.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 1829			Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 1829				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dioxane	50	U	8.7	50
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	0.36	J	0.22	1.0
Chloromethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.0	U	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0
Tetrachloroethene	1.4		0.12	1.0

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-1**

Lab Sample ID: 460-108944-1
Client Matrix: Water

Date Sampled: 02/11/2016 1000
Date Received: 02/12/2016 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36592.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 1829			Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 1829				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Toluene	1.0	U	0.25	1.0
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115		70 - 137
4-Bromofluorobenzene	106		70 - 131
Dibromofluoromethane (Surr)	104		72 - 136
Toluene-d8 (Surr)	96		74 - 120

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-1**

Lab Sample ID: 460-108944-1
Client Matrix: Water

Date Sampled: 02/11/2016 1000
Date Received: 02/12/2016 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36592.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 1829			Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 1829				

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: 460-108944-1

Client Sample ID: **MW-2**

Lab Sample ID: 460-108944-2
Client Matrix: Water

Date Sampled: 02/11/2016 1130
Date Received: 02/12/2016 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-351543	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36603.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/21/2016 0810			Final Weight/Volume:	5 mL
Prep Date:	02/21/2016 0810				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dioxane	50	U	8.7	50
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.0	U	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0
Tetrachloroethene	0.24	J	0.12	1.0

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-2**

Lab Sample ID: 460-108944-2

Client Matrix: Water

Date Sampled: 02/11/2016 1130

Date Received: 02/12/2016 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-351543	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36603.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/21/2016 0810			Final Weight/Volume:	5 mL
Prep Date:	02/21/2016 0810				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Toluene	1.0	U	0.25	1.0
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	122		70 - 137
4-Bromofluorobenzene	106		70 - 131
Dibromofluoromethane (Surr)	109		72 - 136
Toluene-d8 (Surr)	97		74 - 120

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-2**

Lab Sample ID: 460-108944-2
Client Matrix: Water

Date Sampled: 02/11/2016 1130
Date Received: 02/12/2016 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-351543	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36603.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/21/2016 0810			Final Weight/Volume:	5 mL
Prep Date:	02/21/2016 0810				

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: 460-108944-1

Client Sample ID: **MW-3**

Lab Sample ID: 460-108944-3
Client Matrix: Water

Date Sampled: 02/11/2016 1300
Date Received: 02/12/2016 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36590.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 1737			Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 1737				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dioxane	50	U	8.7	50
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.0	U	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0
Tetrachloroethene	1.0	U	0.12	1.0

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-3**

Lab Sample ID: 460-108944-3
Client Matrix: Water

Date Sampled: 02/11/2016 1300
Date Received: 02/12/2016 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36590.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 1737			Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 1737				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Toluene	1.0	U	0.25	1.0
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	122		70 - 137
4-Bromofluorobenzene	111		70 - 131
Dibromofluoromethane (Surr)	111		72 - 136
Toluene-d8 (Surr)	97		74 - 120

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-3**

Lab Sample ID: 460-108944-3

Client Matrix: Water

Date Sampled: 02/11/2016 1300

Date Received: 02/12/2016 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36590.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 1737			Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 1737				

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: 460-108944-1

Client Sample ID: **MW-4**

Lab Sample ID: 460-108944-4

Client Matrix: Water

Date Sampled: 02/11/2016 1100

Date Received: 02/12/2016 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36591.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 1803			Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 1803				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dioxane	50	U	8.7	50
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	0.32	J	0.22	1.0
Chloromethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.0	U	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0
Tetrachloroethene	1.6		0.12	1.0

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-4**

Lab Sample ID: 460-108944-4

Client Matrix: Water

Date Sampled: 02/11/2016 1100

Date Received: 02/12/2016 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36591.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 1803			Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 1803				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Toluene	1.0	U	0.25	1.0
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		70 - 137
4-Bromofluorobenzene	108		70 - 131
Dibromofluoromethane (Surr)	106		72 - 136
Toluene-d8 (Surr)	96		74 - 120

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-4**

Lab Sample ID: 460-108944-4

Client Matrix: Water

Date Sampled: 02/11/2016 1100

Date Received: 02/12/2016 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36591.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 1803			Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 1803				

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: 460-108944-1

Client Sample ID: **TB0211**

Lab Sample ID: 460-108944-5TB

Client Matrix: Water

Date Sampled: 02/11/2016 0900

Date Received: 02/12/2016 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36573.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 1015			Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 1015				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dioxane	50	U	8.7	50
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.0	U	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0
Tetrachloroethene	1.0	U	0.12	1.0

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **TB0211**

Lab Sample ID: 460-108944-5TB

Client Matrix: Water

Date Sampled: 02/11/2016 0900

Date Received: 02/12/2016 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36573.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 1015			Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 1015				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Toluene	1.0	U	0.25	1.0
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		70 - 137
4-Bromofluorobenzene	108		70 - 131
Dibromofluoromethane (Surr)	106		72 - 136
Toluene-d8 (Surr)	95		74 - 120

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **TB0211**

Lab Sample ID: 460-108944-5TB

Client Matrix: Water

Date Sampled: 02/11/2016 0900

Date Received: 02/12/2016 1500

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	J36573.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 1015			Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 1015				

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: 460-108944-1

Client Sample ID: **MW-1**

Lab Sample ID: 460-108944-1

Client Matrix: Water

Date Sampled: 02/11/2016 1000

Date Received: 02/12/2016 1500

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351295	Instrument ID:	CBNAMS13
Prep Method:	3510C	Prep Batch:	460-350776	Lab File ID:	C21229.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	02/19/2016 1720			Final Weight/Volume:	2 mL
Prep Date:	02/17/2016 1033			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	10	U	0.63	10
1,2,4,5-Tetrachlorobenzene	10	U	0.43	10
2,2'-oxybis[1-chloropropane]	10	U	0.93	10
2,3,4,6-Tetrachlorophenol	10	U	0.69	10
2,4,5-Trichlorophenol	10	U	0.49	10
2,4,6-Trichlorophenol	10	U	0.53	10
2,4-Dichlorophenol	10	U	0.63	10
2,4-Dimethylphenol	10	U	0.91	10
2,4-Dinitrophenol	20	U	2.4	20
2,4-Dinitrotoluene	2.0	U	1.0	2.0
2,6-Dinitrotoluene	2.0	U	0.88	2.0
2-Chloronaphthalene	10	U	0.61	10
2-Chlorophenol	10	U	0.74	10
2-Methylnaphthalene	10	U	0.88	10
2-Methylphenol	10	U	1.3	10
2-Nitroaniline	10	U	0.65	10
2-Nitrophenol	10	U	0.59	10
3,3'-Dichlorobenzidine	10	U	1.0	10
3-Nitroaniline	10	U	0.82	10
4,6-Dinitro-2-methylphenol	20	U	2.0	20
4-Bromophenyl phenyl ether	10	U	1.0	10
4-Chloro-3-methylphenol	10	U	0.76	10
4-Chloroaniline	10	U	0.73	10
4-Chlorophenyl phenyl ether	10	U	0.96	10
4-Methylphenol	10	U	0.87	10
4-Nitroaniline	10	U	0.48	10
4-Nitrophenol	20	U	4.7	20
Acenaphthene	10	U	0.88	10
Acenaphthylene	10	U	0.65	10
Acetophenone	10	U	1.0	10
Anthracene	10	U	0.57	10
Atrazine	2.0	U	0.77	2.0
Benzaldehyde	10	U	0.86	10
Benzo[a]anthracene	1.0	U	0.55	1.0
Benzo[a]pyrene	1.0	U	0.16	1.0
Benzo[b]fluoranthene	1.0	U	0.44	1.0
Benzo[g,h,i]perylene	10	U	0.75	10
Benzo[k]fluoranthene	1.0	U	0.18	1.0
Bis(2-chloroethoxy)methane	10	U	0.69	10
Bis(2-chloroethyl)ether	1.0	U	0.12	1.0
Bis(2-ethylhexyl) phthalate	2.0	U	0.72	2.0
Butyl benzyl phthalate	10	U	0.60	10
Caprolactam	10	U	1.1	10
Carbazole	10	U	0.85	10
Chrysene	2.0	U	0.67	2.0
Dibenz(a,h)anthracene	1.0	U	0.090	1.0

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-1**

Lab Sample ID: 460-108944-1
Client Matrix: Water

Date Sampled: 02/11/2016 1000
Date Received: 02/12/2016 1500

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351295	Instrument ID:	CBNAMS13
Prep Method:	3510C	Prep Batch:	460-350776	Lab File ID:	C21229.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	02/19/2016 1720			Final Weight/Volume:	2 mL
Prep Date:	02/17/2016 1033			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	10	U	0.85	10
Diethyl phthalate	1.4	J	1.0	10
Dimethyl phthalate	10	U	0.98	10
Di-n-butyl phthalate	10	U	0.82	10
Di-n-octyl phthalate	10	U	0.69	10
Fluoranthene	10	U	0.72	10
Fluorene	10	U	0.80	10
Hexachlorobenzene	1.0	U	0.47	1.0
Hexachlorobutadiene	1.0	U	0.76	1.0
Hexachlorocyclopentadiene	10	U	0.61	10
Hexachloroethane	1.0	U	0.090	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.21	1.0
Isophorone	10	U	0.67	10
Naphthalene	10	U	0.80	10
Nitrobenzene	1.0	U	0.49	1.0
N-Nitrosodi-n-propylamine	1.0	U	0.83	1.0
N-Nitrosodiphenylamine	10	U	0.74	10
Pentachlorophenol	20	U	2.2	20
Phenanthrene	10	U	0.65	10
Phenol	10	U	0.41	10
Pyrene	10	U	0.83	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	92		43 - 126
2-Fluorobiphenyl	78		63 - 113
2-Fluorophenol (Surr)	45		13 - 77
Nitrobenzene-d5 (Surr)	91		62 - 120
Phenol-d5 (Surr)	33		10 - 53
Terphenyl-d14 (Surr)	95		57 - 125

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-1**

Lab Sample ID: 460-108944-1
Client Matrix: Water

Date Sampled: 02/11/2016 1000
Date Received: 02/12/2016 1500

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351295	Instrument ID:	CBNAMS13
Prep Method:	3510C	Prep Batch:	460-350776	Lab File ID:	C21229.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	02/19/2016 1720			Final Weight/Volume:	2 mL
Prep Date:	02/17/2016 1033			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: 460-108944-1

Client Sample ID: **MW-2**

Lab Sample ID: 460-108944-2
Client Matrix: Water

Date Sampled: 02/11/2016 1130
Date Received: 02/12/2016 1500

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351295	Instrument ID:	CBNAMS13
Prep Method:	3510C	Prep Batch:	460-350776	Lab File ID:	C21230.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	02/19/2016 1745			Final Weight/Volume:	2 mL
Prep Date:	02/17/2016 1033			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	10	U	0.63	10
1,2,4,5-Tetrachlorobenzene	10	U	0.43	10
2,2'-oxybis[1-chloropropane]	10	U	0.93	10
2,3,4,6-Tetrachlorophenol	10	U	0.69	10
2,4,5-Trichlorophenol	10	U	0.49	10
2,4,6-Trichlorophenol	10	U	0.53	10
2,4-Dichlorophenol	10	U	0.63	10
2,4-Dimethylphenol	10	U	0.91	10
2,4-Dinitrophenol	20	U	2.4	20
2,4-Dinitrotoluene	2.0	U	1.0	2.0
2,6-Dinitrotoluene	2.0	U	0.88	2.0
2-Chloronaphthalene	10	U	0.61	10
2-Chlorophenol	10	U	0.74	10
2-Methylnaphthalene	10	U	0.88	10
2-Methylphenol	10	U	1.3	10
2-Nitroaniline	10	U	0.65	10
2-Nitrophenol	10	U	0.59	10
3,3'-Dichlorobenzidine	10	U	1.0	10
3-Nitroaniline	10	U	0.82	10
4,6-Dinitro-2-methylphenol	20	U	2.0	20
4-Bromophenyl phenyl ether	10	U	1.0	10
4-Chloro-3-methylphenol	10	U	0.76	10
4-Chloroaniline	10	U	0.73	10
4-Chlorophenyl phenyl ether	10	U	0.96	10
4-Methylphenol	10	U	0.87	10
4-Nitroaniline	10	U	0.48	10
4-Nitrophenol	20	U	4.7	20
Acenaphthene	10	U	0.88	10
Acenaphthylene	10	U	0.65	10
Acetophenone	10	U	1.0	10
Anthracene	10	U	0.57	10
Atrazine	2.0	U	0.77	2.0
Benzaldehyde	10	U	0.86	10
Benzo[a]anthracene	1.0	U	0.55	1.0
Benzo[a]pyrene	1.0	U	0.16	1.0
Benzo[b]fluoranthene	1.0	U	0.44	1.0
Benzo[g,h,i]perylene	10	U	0.75	10
Benzo[k]fluoranthene	1.0	U	0.18	1.0
Bis(2-chloroethoxy)methane	10	U	0.69	10
Bis(2-chloroethyl)ether	1.0	U	0.12	1.0
Bis(2-ethylhexyl) phthalate	2.0	U	0.72	2.0
Butyl benzyl phthalate	10	U	0.60	10
Caprolactam	10	U	1.1	10
Carbazole	10	U	0.85	10
Chrysene	2.0	U	0.67	2.0
Dibenz(a,h)anthracene	1.0	U	0.090	1.0

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-2**

Lab Sample ID: 460-108944-2
Client Matrix: Water

Date Sampled: 02/11/2016 1130
Date Received: 02/12/2016 1500

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351295	Instrument ID:	CBNAMS13
Prep Method:	3510C	Prep Batch:	460-350776	Lab File ID:	C21230.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	02/19/2016 1745			Final Weight/Volume:	2 mL
Prep Date:	02/17/2016 1033			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	10	U	0.85	10
Diethyl phthalate	10	U	1.0	10
Dimethyl phthalate	10	U	0.98	10
Di-n-butyl phthalate	10	U	0.82	10
Di-n-octyl phthalate	10	U	0.69	10
Fluoranthene	10	U	0.72	10
Fluorene	10	U	0.80	10
Hexachlorobenzene	1.0	U	0.47	1.0
Hexachlorobutadiene	1.0	U	0.76	1.0
Hexachlorocyclopentadiene	10	U	0.61	10
Hexachloroethane	1.0	U	0.090	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.21	1.0
Isophorone	10	U	0.67	10
Naphthalene	10	U	0.80	10
Nitrobenzene	1.0	U	0.49	1.0
N-Nitrosodi-n-propylamine	1.0	U	0.83	1.0
N-Nitrosodiphenylamine	10	U	0.74	10
Pentachlorophenol	20	U	2.2	20
Phenanthrene	10	U	0.65	10
Phenol	10	U	0.41	10
Pyrene	10	U	0.83	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	91		43 - 126
2-Fluorobiphenyl	79		63 - 113
2-Fluorophenol (Surr)	45		13 - 77
Nitrobenzene-d5 (Surr)	93		62 - 120
Phenol-d5 (Surr)	33		10 - 53
Terphenyl-d14 (Surr)	97		57 - 125

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-2**

Lab Sample ID: 460-108944-2

Client Matrix: Water

Date Sampled: 02/11/2016 1130

Date Received: 02/12/2016 1500

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351295	Instrument ID:	CBNAMS13
Prep Method:	3510C	Prep Batch:	460-350776	Lab File ID:	C21230.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	02/19/2016 1745			Final Weight/Volume:	2 mL
Prep Date:	02/17/2016 1033			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: 460-108944-1

Client Sample ID: **MW-4**

Lab Sample ID: 460-108944-4

Client Matrix: Water

Date Sampled: 02/11/2016 1100

Date Received: 02/12/2016 1500

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351295	Instrument ID:	CBNAMS13
Prep Method:	3510C	Prep Batch:	460-350776	Lab File ID:	C21231.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	02/19/2016 1809			Final Weight/Volume:	2 mL
Prep Date:	02/17/2016 1033			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	10	U	0.63	10
1,2,4,5-Tetrachlorobenzene	10	U	0.43	10
2,2'-oxybis[1-chloropropane]	10	U	0.93	10
2,3,4,6-Tetrachlorophenol	10	U	0.69	10
2,4,5-Trichlorophenol	10	U	0.49	10
2,4,6-Trichlorophenol	10	U	0.53	10
2,4-Dichlorophenol	10	U	0.63	10
2,4-Dimethylphenol	10	U	0.91	10
2,4-Dinitrophenol	20	U	2.4	20
2,4-Dinitrotoluene	2.0	U	1.0	2.0
2,6-Dinitrotoluene	2.0	U	0.88	2.0
2-Chloronaphthalene	10	U	0.61	10
2-Chlorophenol	10	U	0.74	10
2-Methylnaphthalene	10	U	0.88	10
2-Methylphenol	10	U	1.3	10
2-Nitroaniline	10	U	0.65	10
2-Nitrophenol	10	U	0.59	10
3,3'-Dichlorobenzidine	10	U	1.0	10
3-Nitroaniline	10	U	0.82	10
4,6-Dinitro-2-methylphenol	20	U	2.0	20
4-Bromophenyl phenyl ether	10	U	1.0	10
4-Chloro-3-methylphenol	10	U	0.76	10
4-Chloroaniline	10	U	0.73	10
4-Chlorophenyl phenyl ether	10	U	0.96	10
4-Methylphenol	10	U	0.87	10
4-Nitroaniline	10	U	0.48	10
4-Nitrophenol	20	U	4.7	20
Acenaphthene	10	U	0.88	10
Acenaphthylene	10	U	0.65	10
Acetophenone	10	U	1.0	10
Anthracene	10	U	0.57	10
Atrazine	2.0	U	0.77	2.0
Benzaldehyde	10	U	0.86	10
Benzo[a]anthracene	1.0	U	0.55	1.0
Benzo[a]pyrene	1.0	U	0.16	1.0
Benzo[b]fluoranthene	1.0	U	0.44	1.0
Benzo[g,h,i]perylene	10	U	0.75	10
Benzo[k]fluoranthene	1.0	U	0.18	1.0
Bis(2-chloroethoxy)methane	10	U	0.69	10
Bis(2-chloroethyl)ether	1.0	U	0.12	1.0
Bis(2-ethylhexyl) phthalate	2.0	U	0.72	2.0
Butyl benzyl phthalate	10	U	0.60	10
Caprolactam	10	U	1.1	10
Carbazole	10	U	0.85	10
Chrysene	2.0	U	0.67	2.0
Dibenz(a,h)anthracene	1.0	U	0.090	1.0

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-4**

Lab Sample ID: 460-108944-4
Client Matrix: Water

Date Sampled: 02/11/2016 1100
Date Received: 02/12/2016 1500

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351295	Instrument ID:	CBNAMS13
Prep Method:	3510C	Prep Batch:	460-350776	Lab File ID:	C21231.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	02/19/2016 1809			Final Weight/Volume:	2 mL
Prep Date:	02/17/2016 1033			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	10	U	0.85	10
Diethyl phthalate	10	U	1.0	10
Dimethyl phthalate	10	U	0.98	10
Di-n-butyl phthalate	10	U	0.82	10
Di-n-octyl phthalate	10	U	0.69	10
Fluoranthene	10	U	0.72	10
Fluorene	10	U	0.80	10
Hexachlorobenzene	1.0	U	0.47	1.0
Hexachlorobutadiene	1.0	U	0.76	1.0
Hexachlorocyclopentadiene	10	U	0.61	10
Hexachloroethane	1.0	U	0.090	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.21	1.0
Isophorone	10	U	0.67	10
Naphthalene	10	U	0.80	10
Nitrobenzene	1.0	U	0.49	1.0
N-Nitrosodi-n-propylamine	1.0	U	0.83	1.0
N-Nitrosodiphenylamine	10	U	0.74	10
Pentachlorophenol	20	U	2.2	20
Phenanthrene	10	U	0.65	10
Phenol	10	U	0.41	10
Pyrene	10	U	0.83	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	90		43 - 126
2-Fluorobiphenyl	82		63 - 113
2-Fluorophenol (Surr)	42		13 - 77
Nitrobenzene-d5 (Surr)	96		62 - 120
Phenol-d5 (Surr)	30		10 - 53
Terphenyl-d14 (Surr)	96		57 - 125

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-4**

Lab Sample ID: 460-108944-4

Client Matrix: Water

Date Sampled: 02/11/2016 1100

Date Received: 02/12/2016 1500

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-351295	Instrument ID:	CBNAMS13
Prep Method:	3510C	Prep Batch:	460-350776	Lab File ID:	C21231.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	02/19/2016 1809			Final Weight/Volume:	2 mL
Prep Date:	02/17/2016 1033			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: 460-108944-1

Client Sample ID: **MW-1**

Lab Sample ID: 460-108944-1
Client Matrix: Water

Date Sampled: 02/11/2016 1000
Date Received: 02/12/2016 1500

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-350930	Instrument ID:	CPESTGC5
Prep Method:	3510C	Prep Batch:	460-350746	Initial Weight/Volume:	245 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/18/2016 0306			Injection Volume:	1 uL
Prep Date:	02/17/2016 0849			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	0.020	U	0.0051	0.020
4,4'-DDE	0.020	U	0.0041	0.020
4,4'-DDT	0.020	U	0.0041	0.020
Aldrin	0.020	U	0.0041	0.020
alpha-BHC	0.020	U	0.0061	0.020
beta-BHC	0.020	U	0.0051	0.020
Chlordane (technical)	0.51	U	0.13	0.51
delta-BHC	0.020	U	0.0061	0.020
Dieldrin	0.020	U	0.0041	0.020
Endosulfan I	0.020	U	0.0051	0.020
Endosulfan II	0.020	U	0.0041	0.020
Endosulfan sulfate	0.020	U	0.0051	0.020
Endrin	0.020	U	0.0041	0.020
Endrin aldehyde	0.020	U	0.0041	0.020
Endrin ketone	0.020	U	0.0041	0.020
gamma-BHC (Lindane)	0.020	U	0.0041	0.020
Heptachlor	0.020	U	0.0041	0.020
Heptachlor epoxide	0.020	U	0.0041	0.020
Methoxychlor	0.020	U	0.0041	0.020
Toxaphene	0.51	U	0.061	0.51

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	68		16 - 144
Tetrachloro-m-xylene	88		47 - 150

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-1**

Lab Sample ID: 460-108944-1

Client Matrix: Water

Date Sampled: 02/11/2016 1000

Date Received: 02/12/2016 1500

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-350930	Instrument ID:	CPESTGC5
Prep Method:	3510C	Prep Batch:	460-350746	Initial Weight/Volume:	245 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/18/2016 0306			Injection Volume:	1 uL
Prep Date:	02/17/2016 0849			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	59		16 - 144
Tetrachloro-m-xylene	76		47 - 150

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-2**

Lab Sample ID: 460-108944-2
Client Matrix: Water

Date Sampled: 02/11/2016 1130
Date Received: 02/12/2016 1500

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-350930	Instrument ID:	CPESTGC5
Prep Method:	3510C	Prep Batch:	460-350746	Initial Weight/Volume:	250 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/18/2016 0319			Injection Volume:	1 uL
Prep Date:	02/17/2016 0849			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	0.020	U	0.0050	0.020
4,4'-DDE	0.020	U	0.0040	0.020
4,4'-DDT	0.020	U	0.0040	0.020
Aldrin	0.020	U	0.0040	0.020
alpha-BHC	0.020	U	0.0060	0.020
beta-BHC	0.020	U	0.0050	0.020
Chlordane (technical)	0.50	U	0.13	0.50
delta-BHC	0.020	U	0.0060	0.020
Dieldrin	0.020	U	0.0040	0.020
Endosulfan I	0.020	U	0.0050	0.020
Endosulfan II	0.020	U	0.0040	0.020
Endosulfan sulfate	0.020	U	0.0050	0.020
Endrin	0.020	U	0.0040	0.020
Endrin aldehyde	0.020	U	0.0040	0.020
Endrin ketone	0.020	U	0.0040	0.020
gamma-BHC (Lindane)	0.020	U	0.0040	0.020
Heptachlor	0.020	U	0.0040	0.020
Heptachlor epoxide	0.020	U	0.0040	0.020
Methoxychlor	0.020	U	0.0040	0.020
Toxaphene	0.50	U	0.060	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	85		16 - 144
Tetrachloro-m-xylene	109		47 - 150

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-2**

Lab Sample ID: 460-108944-2

Client Matrix: Water

Date Sampled: 02/11/2016 1130

Date Received: 02/12/2016 1500

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-350930	Instrument ID:	CPESTGC5
Prep Method:	3510C	Prep Batch:	460-350746	Initial Weight/Volume:	250 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/18/2016 0319			Injection Volume:	1 uL
Prep Date:	02/17/2016 0849			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	71		16 - 144
Tetrachloro-m-xylene	93		47 - 150

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-4**

Lab Sample ID: 460-108944-4

Client Matrix: Water

Date Sampled: 02/11/2016 1100

Date Received: 02/12/2016 1500

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-350930	Instrument ID:	CPESTGC5
Prep Method:	3510C	Prep Batch:	460-350746	Initial Weight/Volume:	250 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/18/2016 0332			Injection Volume:	1 uL
Prep Date:	02/17/2016 0849			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	0.020	U	0.0050	0.020
4,4'-DDE	0.020	U	0.0040	0.020
4,4'-DDT	0.020	U	0.0040	0.020
Aldrin	0.020	U	0.0040	0.020
alpha-BHC	0.020	U	0.0060	0.020
beta-BHC	0.020	U	0.0050	0.020
Chlordane (technical)	0.50	U	0.13	0.50
delta-BHC	0.020	U	0.0060	0.020
Dieldrin	0.020	U	0.0040	0.020
Endosulfan I	0.020	U	0.0050	0.020
Endosulfan II	0.020	U	0.0040	0.020
Endosulfan sulfate	0.020	U	0.0050	0.020
Endrin	0.020	U	0.0040	0.020
Endrin aldehyde	0.020	U	0.0040	0.020
Endrin ketone	0.020	U	0.0040	0.020
gamma-BHC (Lindane)	0.020	U	0.0040	0.020
Heptachlor	0.020	U	0.0040	0.020
Heptachlor epoxide	0.020	U	0.0040	0.020
Methoxychlor	0.020	U	0.0040	0.020
Toxaphene	0.50	U	0.060	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	63		16 - 144
Tetrachloro-m-xylene	106		47 - 150

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-4**

Lab Sample ID: 460-108944-4
Client Matrix: Water

Date Sampled: 02/11/2016 1100
Date Received: 02/12/2016 1500

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-350930	Instrument ID:	CPESTGC5
Prep Method:	3510C	Prep Batch:	460-350746	Initial Weight/Volume:	250 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/18/2016 0332			Injection Volume:	1 uL
Prep Date:	02/17/2016 0849			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	59		16 - 144
Tetrachloro-m-xylene	102		47 - 150

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-1**

Lab Sample ID: 460-108944-1

Client Matrix: Water

Date Sampled: 02/11/2016 1000

Date Received: 02/12/2016 1500

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-351212	Instrument ID:	CPESTGC11
Prep Method:	3510C	Prep Batch:	460-350745	Initial Weight/Volume:	245 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/19/2016 0617			Injection Volume:	1 uL
Prep Date:	02/17/2016 0845			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	0.41	U	0.10	0.41
Aroclor 1221	0.41	U	0.10	0.41
Aroclor 1232	0.41	U	0.10	0.41
Aroclor 1242	0.41	U	0.10	0.41
Aroclor 1248	0.41	U	0.10	0.41
Aroclor 1254	0.41	U	0.086	0.41
Aroclor 1260	0.41	U	0.086	0.41
Aroclor-1262	0.41	U	0.086	0.41
Aroclor 1268	0.41	U	0.086	0.41
Polychlorinated biphenyls, Total	0.41	U	0.10	0.41

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	62		10 - 150

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-1**

Lab Sample ID: 460-108944-1

Client Matrix: Water

Date Sampled: 02/11/2016 1000

Date Received: 02/12/2016 1500

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-351212	Instrument ID:	CPESTGC11
Prep Method:	3510C	Prep Batch:	460-350745	Initial Weight/Volume:	245 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/19/2016 0617			Injection Volume:	1 uL
Prep Date:	02/17/2016 0845			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	57		10 - 150

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-2**

Lab Sample ID: 460-108944-2

Client Matrix: Water

Date Sampled: 02/11/2016 1130

Date Received: 02/12/2016 1500

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-351212	Instrument ID:	CPESTGC11
Prep Method:	3510C	Prep Batch:	460-350745	Initial Weight/Volume:	250 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/19/2016 0632			Injection Volume:	1 uL
Prep Date:	02/17/2016 0845			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	0.40	U	0.098	0.40
Aroclor 1221	0.40	U	0.098	0.40
Aroclor 1232	0.40	U	0.098	0.40
Aroclor 1242	0.40	U	0.098	0.40
Aroclor 1248	0.40	U	0.098	0.40
Aroclor 1254	0.40	U	0.084	0.40
Aroclor 1260	0.40	U	0.084	0.40
Aroclor-1262	0.40	U	0.084	0.40
Aroclor 1268	0.40	U	0.084	0.40
Polychlorinated biphenyls, Total	0.40	U	0.098	0.40

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	85		10 - 150

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-2**

Lab Sample ID: 460-108944-2

Client Matrix: Water

Date Sampled: 02/11/2016 1130

Date Received: 02/12/2016 1500

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-351212	Instrument ID:	CPESTGC11
Prep Method:	3510C	Prep Batch:	460-350745	Initial Weight/Volume:	250 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/19/2016 0632			Injection Volume:	1 uL
Prep Date:	02/17/2016 0845			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	63		10 - 150

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-4**

Lab Sample ID: 460-108944-4

Client Matrix: Water

Date Sampled: 02/11/2016 1100

Date Received: 02/12/2016 1500

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-351212	Instrument ID:	CPESTGC11
Prep Method:	3510C	Prep Batch:	460-350745	Initial Weight/Volume:	250 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/19/2016 0646			Injection Volume:	1 uL
Prep Date:	02/17/2016 0845			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	0.40	U	0.098	0.40
Aroclor 1221	0.40	U	0.098	0.40
Aroclor 1232	0.40	U	0.098	0.40
Aroclor 1242	0.40	U	0.098	0.40
Aroclor 1248	0.40	U	0.098	0.40
Aroclor 1254	0.40	U	0.084	0.40
Aroclor 1260	0.40	U	0.084	0.40
Aroclor-1262	0.40	U	0.084	0.40
Aroclor 1268	0.40	U	0.084	0.40
Polychlorinated biphenyls, Total	0.40	U	0.098	0.40

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	41	p	10 - 150

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-4**

Lab Sample ID: 460-108944-4

Client Matrix: Water

Date Sampled: 02/11/2016 1100

Date Received: 02/12/2016 1500

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-351212	Instrument ID:	CPESTGC11
Prep Method:	3510C	Prep Batch:	460-350745	Initial Weight/Volume:	250 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/19/2016 0646			Injection Volume:	1 uL
Prep Date:	02/17/2016 0845			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	62		10 - 150

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-1**

Lab Sample ID: 460-108944-1
Client Matrix: Water

Date Sampled: 02/11/2016 1000
Date Received: 02/12/2016 1500

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-351412	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-351043	Lab File ID:	02192016.asc
Dilution:	10			Initial Weight/Volume:	50 mL
Analysis Date:	02/19/2016 1948			Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0937				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	248000		695	2000
Antimony	200	U	47.0	200
Arsenic	98.7	J	44.1	150
Barium	3220		54.9	2000
Beryllium	18.7	J	18.0	20.0
Cadmium	40.0	U	23.2	40.0
Calcium	241000		3170	50000
Chromium	791		45.0	100
Cobalt	308	J	50.8	500
Copper	731		50.2	250
Iron	540000		654	1500
Lead	349		41.6	100
Magnesium	129000		2600	50000
Manganese	16200		48.8	150
Nickel	569		53.9	400
Potassium	46300	J	1220	50000
Selenium	200	U	67.6	200
Silver	100	U	18.6	100
Sodium	427000		3150	50000
Thallium	200	U	45.2	200
Vanadium	827		43.7	500
Zinc	1480		59.0	300

6010C Metals (ICP)-Dissolved

Analysis Method:	6010C	Analysis Batch:	460-351510	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-351042	Lab File ID:	02202016.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	02/20/2016 1553			Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0936				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	200	U	69.5	200
Antimony	20.0	U	4.7	20.0
Arsenic	15.0	U	4.4	15.0
Barium	264		5.5	200
Beryllium	2.0	U	1.8	2.0
Cadmium	4.0	U	2.3	4.0
Calcium	135000		317	5000
Chromium	10.0	U	4.5	10.0
Cobalt	50.0	U	5.1	50.0
Copper	25.0	U	5.0	25.0
Iron	150	U	65.4	150
Lead	10.0	U	4.2	10.0
Magnesium	23700		260	5000

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-1**

Lab Sample ID: 460-108944-1
Client Matrix: Water

Date Sampled: 02/11/2016 1000
Date Received: 02/12/2016 1500

6010C Metals (ICP)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Manganese	887		4.9	15.0
Nickel	40.0	U	5.4	40.0
Potassium	5020		122	5000
Selenium	20.0	U	6.8	20.0
Silver	10.0	U	1.9	10.0
Thallium	20.0	U	4.5	20.0
Vanadium	50.0	U	4.4	50.0
Zinc	30.0	U	5.9	30.0

Analysis Method:	6010C	Analysis Batch:	460-351510	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-351042	Lab File ID:	02202016.asc
Dilution:	3.0			Initial Weight/Volume:	50 mL
Analysis Date:	02/20/2016 1830			Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0936				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Sodium	466000		945	15000

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-350783	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-350711	Lab File ID:	350711HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	02/17/2016 0908			Final Weight/Volume:	30 mL
Prep Date:	02/17/2016 0428				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.58		0.14	0.20

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	460-350845	Instrument ID:	LEEMAN6
Prep Method:	7470A	Prep Batch:	460-350780	Lab File ID:	350780hg.CSV
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	02/17/2016 1403			Final Weight/Volume:	30 mL
Prep Date:	02/17/2016 1103				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.14	0.20

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-2**

Lab Sample ID: 460-108944-2
Client Matrix: Water

Date Sampled: 02/11/2016 1130
Date Received: 02/12/2016 1500

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-351412	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-351043	Lab File ID:	02192016.asc
Dilution:	10			Initial Weight/Volume:	50 mL
Analysis Date:	02/19/2016 1956			Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0937				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	385000		695	2000
Antimony	200	U	47.0	200
Arsenic	178		44.1	150
Barium	8070		54.9	2000
Beryllium	32.2		18.0	20.0
Cadmium	40.0	U	23.2	40.0
Calcium	169000		3170	50000
Chromium	1120		45.0	100
Cobalt	617		50.8	500
Copper	1140		50.2	250
Iron	1820000		654	1500
Lead	333		41.6	100
Magnesium	130000		2600	50000
Manganese	62400		48.8	150
Nickel	795		53.9	400
Potassium	54900		1220	50000
Selenium	200	U	67.6	200
Silver	100	U	18.6	100
Sodium	301000		3150	50000
Vanadium	1870		43.7	500
Zinc	1540		59.0	300

Analysis Method:	6010C	Analysis Batch:	460-352292	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-351043	Lab File ID:	351965.asc
Dilution:	10			Initial Weight/Volume:	50 mL
Analysis Date:	02/24/2016 1825			Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0937				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Thallium	200	U	45.2	200

6010C Metals (ICP)-Dissolved

Analysis Method:	6010C	Analysis Batch:	460-351510	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-351042	Lab File ID:	02202016.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	02/20/2016 1601			Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0936				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	200	U	69.5	200
Antimony	20.0	U	4.7	20.0
Arsenic	15.0	U	4.4	15.0
Barium	130	J	5.5	200

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-2**

Lab Sample ID: 460-108944-2
Client Matrix: Water

Date Sampled: 02/11/2016 1130
Date Received: 02/12/2016 1500

6010C Metals (ICP)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Beryllium	2.0	U	1.8	2.0
Cadmium	4.0	U	2.3	4.0
Calcium	135000		317	5000
Chromium	10.0	U	4.5	10.0
Cobalt	50.0	U	5.1	50.0
Copper	25.0	U	5.0	25.0
Iron	150	U	65.4	150
Lead	10.0	U	4.2	10.0
Magnesium	32200		260	5000
Manganese	21.4		4.9	15.0
Nickel	40.0	U	5.4	40.0
Potassium	4070	J	122	5000
Selenium	20.0	U	6.8	20.0
Silver	10.0	U	1.9	10.0
Thallium	20.0	U	4.5	20.0
Vanadium	50.0	U	4.4	50.0
Zinc	30.0	U	5.9	30.0

Analysis Method:	6010C	Analysis Batch:	460-351510	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-351042	Lab File ID:	02202016.asc
Dilution:	2.0			Initial Weight/Volume:	50 mL
Analysis Date:	02/20/2016 1838			Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0936				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Sodium	333000		630	10000

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-350783	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-350711	Lab File ID:	350711HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	02/17/2016 0910			Final Weight/Volume:	30 mL
Prep Date:	02/17/2016 0428				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.14	0.20

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	460-350845	Instrument ID:	LEEMAN6
Prep Method:	7470A	Prep Batch:	460-350780	Lab File ID:	350780hg.CSV
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	02/17/2016 1405			Final Weight/Volume:	30 mL
Prep Date:	02/17/2016 1103				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.14	0.20

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-2**

Lab Sample ID: 460-108944-2

Client Matrix: Water

Date Sampled: 02/11/2016 1130

Date Received: 02/12/2016 1500

7470A Mercury (CVAA)-Dissolved

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-4**

Lab Sample ID: 460-108944-4
Client Matrix: Water

Date Sampled: 02/11/2016 1100
Date Received: 02/12/2016 1500

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-351412	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-351043	Lab File ID:	02192016.asc
Dilution:	10			Initial Weight/Volume:	50 mL
Analysis Date:	02/19/2016 2004			Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0937				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	245000		695	2000
Antimony	200	U	47.0	200
Arsenic	92.2	J	44.1	150
Barium	3020		54.9	2000
Beryllium	20.0	U	18.0	20.0
Cadmium	40.0	U	23.2	40.0
Calcium	199000		3170	50000
Chromium	724		45.0	100
Cobalt	282	J	50.8	500
Copper	586		50.2	250
Iron	487000		654	1500
Lead	186		41.6	100
Magnesium	139000		2600	50000
Manganese	8960		48.8	150
Nickel	548		53.9	400
Potassium	58300		1220	50000
Selenium	200	U	67.6	200
Silver	100	U	18.6	100
Sodium	412000		3150	50000
Thallium	200	U	45.2	200
Vanadium	799		43.7	500
Zinc	1280		59.0	300

6010C Metals (ICP)-Dissolved

Analysis Method:	6010C	Analysis Batch:	460-351510	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-351042	Lab File ID:	02202016.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	02/20/2016 1605			Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0936				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	200	U	69.5	200
Antimony	20.0	U	4.7	20.0
Arsenic	15.0	U	4.4	15.0
Barium	274		5.5	200
Beryllium	2.0	U	1.8	2.0
Cadmium	4.0	U	2.3	4.0
Calcium	128000		317	5000
Chromium	10.0	U	4.5	10.0
Cobalt	50.0	U	5.1	50.0
Copper	25.0	U	5.0	25.0
Iron	150	U	65.4	150
Lead	10.0	U	4.2	10.0
Magnesium	23500		260	5000

Client: FPM Group Limited

Job Number: 460-108944-1

Client Sample ID: **MW-4**

Lab Sample ID: 460-108944-4
Client Matrix: Water

Date Sampled: 02/11/2016 1100
Date Received: 02/12/2016 1500

6010C Metals (ICP)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Manganese	465		4.9	15.0
Nickel	40.0	U	5.4	40.0
Potassium	4610	J	122	5000
Selenium	20.0	U	6.8	20.0
Silver	10.0	U	1.9	10.0
Thallium	20.0	U	4.5	20.0
Vanadium	50.0	U	4.4	50.0
Zinc	30.0	U	5.9	30.0

Analysis Method:	6010C	Analysis Batch:	460-351510	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-351042	Lab File ID:	02202016.asc
Dilution:	3.0			Initial Weight/Volume:	50 mL
Analysis Date:	02/20/2016 2302			Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0936				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Sodium	476000		945	15000

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-350783	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-350711	Lab File ID:	350711HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	02/17/2016 0912			Final Weight/Volume:	30 mL
Prep Date:	02/17/2016 0428				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.17	J	0.14	0.20

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	460-350845	Instrument ID:	LEEMAN6
Prep Method:	7470A	Prep Batch:	460-350780	Lab File ID:	350780hg.CSV
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	02/17/2016 1407			Final Weight/Volume:	30 mL
Prep Date:	02/17/2016 1103				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.14	0.20

DATA REPORTING QUALIFIERS

Client: FPM Group Limited

Job Number: 460-108944-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	*	Duplicate RPD exceeds control limits
	J	Indicates an estimated value.
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.
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.
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

QUALITY CONTROL RESULTS

Client: FPM Group Limited

Job Number: 460-108944-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:460-351432					
LCS 460-351432/4	Lab Control Sample	T	Water	8260C	
MB 460-351432/8	Method Blank	T	Water	8260C	
460-108918-B-1 MS	Matrix Spike	T	Water	8260C	
460-108918-B-1 MSD	Matrix Spike Duplicate	T	Water	8260C	
460-108944-1	MW-1	T	Water	8260C	
460-108944-3	MW-3	T	Water	8260C	
460-108944-4	MW-4	T	Water	8260C	
460-108944-5TB	TB0211	T	Water	8260C	
Analysis Batch:460-351543					
LCS 460-351543/3	Lab Control Sample	T	Water	8260C	
LCSD 460-351543/4	Lab Control Sample Duplicate	T	Water	8260C	
MB 460-351543/7	Method Blank	T	Water	8260C	
460-108944-2	MW-2	T	Water	8260C	

Report Basis
T = Total

Client: FPM Group Limited

Job Number: 460-108944-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 460-350776					
LCS 460-350776/2-A	Lab Control Sample	T	Water	3510C	
LCS 460-350776/4-A	Lab Control Sample	T	Water	3510C	
LCSD 460-350776/3-A	Lab Control Sample Duplicate	T	Water	3510C	
LCSD 460-350776/5-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 460-350776/1-A	Method Blank	T	Water	3510C	
460-108944-1	MW-1	T	Water	3510C	
460-108944-2	MW-2	T	Water	3510C	
460-108944-4	MW-4	T	Water	3510C	
Analysis Batch:460-351295					
LCS 460-350776/4-A	Lab Control Sample	T	Water	8270D	460-350776
LCSD 460-350776/5-A	Lab Control Sample Duplicate	T	Water	8270D	460-350776
460-108944-1	MW-1	T	Water	8270D	460-350776
460-108944-2	MW-2	T	Water	8270D	460-350776
460-108944-4	MW-4	T	Water	8270D	460-350776
Analysis Batch:460-351678					
MB 460-350776/1-A	Method Blank	T	Water	8270D	460-350776
Analysis Batch:460-351887					
LCS 460-350776/2-A	Lab Control Sample	T	Water	8270D	460-350776
LCSD 460-350776/3-A	Lab Control Sample Duplicate	T	Water	8270D	460-350776

Report Basis
T = Total

Client: FPM Group Limited

Job Number: 460-108944-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-350745					
LCS 460-350745/2-A	Lab Control Sample	T	Water	3510C	
LCSD 460-350745/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 460-350745/1-A	Method Blank	T	Water	3510C	
460-108944-1	MW-1	T	Water	3510C	
460-108944-2	MW-2	T	Water	3510C	
460-108944-4	MW-4	T	Water	3510C	
Prep Batch: 460-350746					
LCS 460-350746/2-A	Lab Control Sample	T	Water	3510C	
LCSD 460-350746/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 460-350746/1-A	Method Blank	T	Water	3510C	
460-108944-1	MW-1	T	Water	3510C	
460-108944-2	MW-2	T	Water	3510C	
460-108944-4	MW-4	T	Water	3510C	
Analysis Batch:460-350930					
LCS 460-350746/2-A	Lab Control Sample	T	Water	8081B	460-350746
LCSD 460-350746/3-A	Lab Control Sample Duplicate	T	Water	8081B	460-350746
MB 460-350746/1-A	Method Blank	T	Water	8081B	460-350746
460-108944-1	MW-1	T	Water	8081B	460-350746
460-108944-2	MW-2	T	Water	8081B	460-350746
460-108944-4	MW-4	T	Water	8081B	460-350746
Analysis Batch:460-351212					
LCS 460-350745/2-A	Lab Control Sample	T	Water	8082A	460-350745
LCSD 460-350745/3-A	Lab Control Sample Duplicate	T	Water	8082A	460-350745
MB 460-350745/1-A	Method Blank	T	Water	8082A	460-350745
460-108944-1	MW-1	T	Water	8082A	460-350745
460-108944-2	MW-2	T	Water	8082A	460-350745
460-108944-4	MW-4	T	Water	8082A	460-350745

Report Basis
T = Total

Client: FPM Group Limited

Job Number: 460-108944-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-350711					
LCS 460-350711/13-A	Lab Control Sample	T	Water	7470A	
MB 460-350711/12-A	Method Blank	T	Water	7470A	
460-108865-A-1-B DU	Duplicate	T	Water	7470A	
460-108865-A-1-C MS	Matrix Spike	T	Water	7470A	
460-108944-1	MW-1	T	Water	7470A	
460-108944-2	MW-2	T	Water	7470A	
460-108944-4	MW-4	T	Water	7470A	
Prep Batch: 460-350780					
LCS 460-350780/4-A	Lab Control Sample	T	Water	7470A	
MB 460-350779/1-B	Method Blank	D	Water	7470A	
460-108824-D-1-G DU	Duplicate	D	Water	7470A	
460-108824-D-1-H MS	Matrix Spike	D	Water	7470A	
460-108944-1	MW-1	D	Water	7470A	
460-108944-2	MW-2	D	Water	7470A	
460-108944-4	MW-4	D	Water	7470A	
Analysis Batch:460-350783					
LCS 460-350711/13-A	Lab Control Sample	T	Water	7470A	460-350711
MB 460-350711/12-A	Method Blank	T	Water	7470A	460-350711
460-108865-A-1-B DU	Duplicate	T	Water	7470A	460-350711
460-108865-A-1-C MS	Matrix Spike	T	Water	7470A	460-350711
460-108944-1	MW-1	T	Water	7470A	460-350711
460-108944-2	MW-2	T	Water	7470A	460-350711
460-108944-4	MW-4	T	Water	7470A	460-350711
Analysis Batch:460-350845					
LCS 460-350780/4-A	Lab Control Sample	T	Water	7470A	460-350780
MB 460-350779/1-B	Method Blank	D	Water	7470A	460-350780
460-108824-D-1-G DU	Duplicate	D	Water	7470A	460-350780
460-108824-D-1-H MS	Matrix Spike	D	Water	7470A	460-350780
460-108944-1	MW-1	D	Water	7470A	460-350780
460-108944-2	MW-2	D	Water	7470A	460-350780
460-108944-4	MW-4	D	Water	7470A	460-350780
Prep Batch: 460-351042					
LCS 460-351042/2-A	Lab Control Sample	T	Water	3010A	
MB 460-351045/1-B	Method Blank	D	Water	3010A	
460-108944-1	MW-1	D	Water	3010A	
460-108944-1DU	Duplicate	D	Water	3010A	
460-108944-1MS	Matrix Spike	D	Water	3010A	
460-108944-2	MW-2	D	Water	3010A	
460-108944-4	MW-4	D	Water	3010A	

Client: FPM Group Limited

Job Number: 460-108944-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-351043					
LCS 460-351043/2-A	Lab Control Sample	T	Water	3010A	
MB 460-351043/1-A	Method Blank	T	Water	3010A	
460-108944-1	MW-1	T	Water	3010A	
460-108944-2	MW-2	T	Water	3010A	
460-108944-4	MW-4	T	Water	3010A	
460-109031-G-6-B DU	Duplicate	T	Water	3010A	
460-109031-G-6-C MS	Matrix Spike	T	Water	3010A	
Analysis Batch:460-351412					
LCS 460-351043/2-A	Lab Control Sample	T	Water	6010C	460-351043
MB 460-351043/1-A	Method Blank	T	Water	6010C	460-351043
460-108944-1	MW-1	T	Water	6010C	460-351043
460-108944-2	MW-2	T	Water	6010C	460-351043
460-108944-4	MW-4	T	Water	6010C	460-351043
460-109031-G-6-B DU	Duplicate	T	Water	6010C	460-351043
460-109031-G-6-C MS	Matrix Spike	T	Water	6010C	460-351043
Analysis Batch:460-351510					
LCS 460-351042/2-A	Lab Control Sample	T	Water	6010C	460-351042
MB 460-351045/1-B	Method Blank	D	Water	6010C	460-351042
460-108944-1	MW-1	D	Water	6010C	460-351042
460-108944-1DU	Duplicate	D	Water	6010C	460-351042
460-108944-1MS	Matrix Spike	D	Water	6010C	460-351042
460-108944-2	MW-2	D	Water	6010C	460-351042
460-108944-4	MW-4	D	Water	6010C	460-351042
Analysis Batch:460-352292					
460-108944-2	MW-2	T	Water	6010C	460-351043

Report Basis
D = Dissolved
T = Total

Client: FPM Group Limited

Job Number: 460-108944-1

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
460-108944-1	MW-1	115	106	104	96
460-108944-2	MW-2	122	106	109	97
460-108944-3	MW-3	122	111	111	97
460-108944-4	MW-4	119	108	106	96
460-108944-5	TB0211	117	108	106	95
MB 460-351432/8		115	113	110	102
MB 460-351543/7		121	108	111	98
LCS 460-351432/4		121	115	110	100
LCS 460-351543/3		112	109	106	95
LCSD 460-351543/4		117	112	112	97
460-108918-B-1 MS		121	115	111	100
460-108918-B-1 MSD		122	114	112	100

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-137
BFB = 4-Bromofluorobenzene	70-131
DBFM = Dibromofluoromethane (Surr)	72-136
TOL = Toluene-d8 (Surr)	74-120

Client: FPM Group Limited

Job Number: 460-108944-1

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
460-108944-1	MW-1	92	78	45	91	33	95
460-108944-2	MW-2	91	79	45	93	33	97
460-108944-4	MW-4	90	82	42	96	30	96
MB 460-350776/1-A		92	73	42	90	30	84
LCS 460-350776/2-A		72	73	36	83	21	95
LCS 460-350776/4-A		98	77	40	94	27	96
LCSD 460-350776/3-A		72	74	38	86	22	97
LCSD 460-350776/5-A		99	80	39	96	27	100

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	43-126
FBP = 2-Fluorobiphenyl	63-113
2FP = 2-Fluorophenol (Surr)	13-77
NBZ = Nitrobenzene-d5 (Surr)	62-120
PHL = Phenol-d5 (Surr)	10-53
TPH = Terphenyl-d14 (Surr)	57-125

Client: FPM Group Limited

Job Number: 460-108944-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
460-108944-1	MW-1	68	59	88	76
460-108944-2	MW-2	85	71	109	93
460-108944-4	MW-4	63	59	106	102
MB 460-350746/1-A		48	42	60	54
LCS 460-350746/2-A		120	121	116	113
LCSD 460-350746/3-A		122	118	117	113

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	16-144
TCX = Tetrachloro-m-xylene	47-150

Client: FPM Group Limited

Job Number: 460-108944-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec
460-108944-1	MW-1	57	62
460-108944-2	MW-2	63	85
460-108944-4	MW-4	41p	62
MB 460-350745/1-A		68	71
LCS 460-350745/2-A		87	89
LCSD 460-350745/3-A		99	104

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	10-150

Client: FPM Group Limited

Job Number: 460-108944-1

Method Blank - Batch: 460-351432

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-351432/8	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36572.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 0949	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 0949				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dioxane	50	U	8.7	50
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.0	U	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0

Client: FPM Group Limited

Job Number: 460-108944-1

Method Blank - Batch: 460-351432

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-351432/8	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36572.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 0949	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 0949				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.0	U	0.12	1.0
Toluene	1.0	U	0.25	1.0
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115	70 - 137
4-Bromofluorobenzene	113	70 - 131
Dibromofluoromethane (Surr)	110	72 - 136
Toluene-d8 (Surr)	102	74 - 120

Method Blank TICs- Batch: 460-351432

Cas Number	Analyte	RT	Est. Result (ug/	Qual
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-108944-1

Lab Control Sample - Batch: 460-351432

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-351432/4	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36568.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 0759	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 0759				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	21.3	107	76 - 131	
1,1,2,2-Tetrachloroethane	20.0	20.0	100	65 - 128	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	26.4	132	53 - 149	
1,1,2-Trichloroethane	20.0	20.5	102	77 - 122	
1,1-Dichloroethane	20.0	22.2	111	77 - 129	
1,1-Dichloroethene	20.0	19.5	97	67 - 133	
1,2,3-Trichlorobenzene	20.0	23.4	117	64 - 142	
1,2,4-Trichlorobenzene	20.0	22.2	111	66 - 137	
1,2-Dibromo-3-Chloropropane	20.0	19.7	99	55 - 133	
1,2-Dichlorobenzene	20.0	19.6	98	80 - 121	
1,2-Dichloroethane	20.0	22.6	113	73 - 131	
1,2-Dichloropropane	20.0	22.6	113	75 - 129	
1,3-Dichlorobenzene	20.0	19.7	98	80 - 120	
1,4-Dichlorobenzene	20.0	19.3	96	79 - 120	
1,4-Dioxane	400	406	102	65 - 150	
2-Butanone (MEK)	100	74.0	74	56 - 150	
2-Hexanone	100	89.5	89	64 - 150	
4-Methyl-2-pentanone (MIBK)	100	102	102	77 - 130	
Acetone	100	93.1	93	19 - 150	
Benzene	20.0	19.6	98	76 - 125	
Bromoform	20.0	19.2	96	65 - 124	
Bromomethane	20.0	15.3	77	10 - 150	
Carbon disulfide	20.0	20.9	104	69 - 131	
Carbon tetrachloride	20.0	22.3	111	71 - 138	
Chlorobenzene	20.0	19.8	99	80 - 120	
Chlorobromomethane	20.0	20.3	101	71 - 137	
Chlorodibromomethane	20.0	20.0	100	78 - 120	
Chloroethane	20.0	17.1	86	40 - 150	
Chloroform	20.0	21.0	105	81 - 127	
Chloromethane	20.0	18.7	93	45 - 150	
cis-1,2-Dichloroethene	20.0	19.9	100	82 - 127	
cis-1,3-Dichloropropene	20.0	20.3	102	72 - 125	
Cyclohexane	20.0	26.9	135	51 - 147	
Dichlorobromomethane	20.0	20.5	103	78 - 127	
Dichlorodifluoromethane	20.0	18.8	94	32 - 150	
Ethylbenzene	20.0	20.3	102	80 - 120	
Ethylene Dibromide	20.0	18.7	93	80 - 120	
Isopropylbenzene	20.0	21.3	107	80 - 127	
Methyl acetate	100	135	135	63 - 150	
Methyl tert-butyl ether	20.0	21.3	107	78 - 129	
Methylcyclohexane	20.0	24.8	124	52 - 142	

Client: FPM Group Limited

Job Number: 460-108944-1

Lab Control Sample - Batch: 460-351432

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-351432/4	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36568.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 0759	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 0759				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Methylene Chloride	20.0	20.1	101	80 - 126	
m-Xylene & p-Xylene	20.0	19.6	98	80 - 121	
o-Xylene	20.0	20.9	105	80 - 120	
Styrene	20.0	20.9	105	75 - 124	
Tetrachloroethene	20.0	20.5	103	71 - 132	
Toluene	20.0	19.2	96	80 - 120	
trans-1,2-Dichloroethene	20.0	19.9	100	78 - 127	
trans-1,3-Dichloropropene	20.0	20.6	103	69 - 125	
Trichloroethene	20.0	20.6	103	77 - 127	
Trichlorofluoromethane	20.0	19.2	96	50 - 150	
Vinyl chloride	20.0	16.2	81	53 - 142	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121	70 - 137
4-Bromofluorobenzene	115	70 - 131
Dibromofluoromethane (Surr)	110	72 - 136
Toluene-d8 (Surr)	100	74 - 120

Client: FPM Group Limited

Job Number: 460-108944-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-351432

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	460-108918-B-1 MS	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36580.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 1318			Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 1318				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	460-108918-B-1 MSD	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36581.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 1344			Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 1344				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1-Trichloroethane	108	113	76 - 131	5	30		
1,1,2,2-Tetrachloroethane	99	99	65 - 128	0	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	133	135	53 - 149	1	30		
1,1,2-Trichloroethane	97	100	77 - 122	3	30		
1,1-Dichloroethane	110	115	77 - 129	4	30		
1,1-Dichloroethene	100	105	67 - 133	5	30		
1,2,3-Trichlorobenzene	92	107	64 - 142	15	30		
1,2,4-Trichlorobenzene	90	103	66 - 137	13	30		
1,2-Dibromo-3-Chloropropane	100	102	55 - 133	2	30		
1,2-Dichlorobenzene	94	96	80 - 121	1	30		
1,2-Dichloroethane	117	114	73 - 131	3	30		
1,2-Dichloropropane	109	111	75 - 129	2	30		
1,3-Dichlorobenzene	94	97	80 - 120	4	30		
1,4-Dichlorobenzene	93	96	79 - 120	3	30		
1,4-Dioxane	67	112	65 - 150	51	30		*
2-Butanone (MEK)	72	76	56 - 150	4	30		
2-Hexanone	87	89	64 - 150	2	30		
4-Methyl-2-pentanone (MIBK)	99	102	77 - 130	4	30		
Acetone	80	89	19 - 150	10	30		
Benzene	100	102	76 - 125	2	30		
Bromoform	99	99	65 - 124	1	30		
Bromomethane	78	84	10 - 150	8	30		
Carbon disulfide	106	110	69 - 131	4	30		
Carbon tetrachloride	116	113	71 - 138	2	30		
Chlorobenzene	100	101	80 - 120	1	30		
Chlorobromomethane	103	102	71 - 137	1	30		
Chlorodibromomethane	101	102	78 - 120	0	30		
Chloroethane	90	91	40 - 150	2	30		
Chloroform	104	108	81 - 127	4	30		
Chloromethane	96	100	45 - 150	4	30		
cis-1,2-Dichloroethene	95	99	82 - 127	4	30		
cis-1,3-Dichloropropene	101	102	72 - 125	1	30		

Client: FPM Group Limited

Job Number: 460-108944-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-351432

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	460-108918-B-1 MS	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36580.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 1318			Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 1318				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	460-108918-B-1 MSD	Analysis Batch:	460-351432	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36581.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/20/2016 1344			Final Weight/Volume:	5 mL
Prep Date:	02/20/2016 1344				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cyclohexane	135	142	51 - 147	5	30		
Dichlorobromomethane	101	104	78 - 127	3	30		
Dichlorodifluoromethane	97	102	32 - 150	5	30		
Ethylbenzene	99	102	80 - 120	3	30		
Ethylene Dibromide	96	96	80 - 120	0	30		
Isopropylbenzene	108	108	80 - 127	0	30		
Methyl acetate	137	134	63 - 150	2	30		
Methyl tert-butyl ether	108	110	78 - 129	1	30		
Methylcyclohexane	119	126	52 - 142	5	30		
Methylene Chloride	100	100	80 - 126	0	30		
m-Xylene & p-Xylene	95	102	80 - 121	6	30		
o-Xylene	100	104	80 - 120	5	30		
Styrene	103	105	75 - 124	3	30		
Tetrachloroethene	109	111	71 - 132	2	30		
Toluene	98	99	80 - 120	1	30		
trans-1,2-Dichloroethene	97	100	78 - 127	3	30		
trans-1,3-Dichloropropene	100	100	69 - 125	0	30		
Trichloroethene	102	104	77 - 127	2	30		
Trichlorofluoromethane	104	110	50 - 150	6	30		
Vinyl chloride	80	86	53 - 142	7	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121	122	70 - 137
4-Bromofluorobenzene	115	114	70 - 131
Dibromofluoromethane (Surr)	111	112	72 - 136
Toluene-d8 (Surr)	100	100	74 - 120

Client: FPM Group Limited

Job Number: 460-108944-1

Method Blank - Batch: 460-351543

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-351543/7	Analysis Batch:	460-351543	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36601.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/21/2016 0714	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/21/2016 0714				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dioxane	50	U	8.7	50
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.0	U	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0

Client: FPM Group Limited

Job Number: 460-108944-1

Method Blank - Batch: 460-351543

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-351543/7	Analysis Batch:	460-351543	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36601.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/21/2016 0714	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/21/2016 0714				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.0	U	0.12	1.0
Toluene	1.0	U	0.25	1.0
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121	70 - 137
4-Bromofluorobenzene	108	70 - 131
Dibromofluoromethane (Surr)	111	72 - 136
Toluene-d8 (Surr)	98	74 - 120

Method Blank TICs- Batch: 460-351543

Cas Number	Analyte	RT	Est. Result (ug/	Qual
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-108944-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-351543

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 460-351543/3	Analysis Batch:	460-351543	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36597.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/21/2016 0530	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/21/2016 0530				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-351543/4	Analysis Batch:	460-351543	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36598.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/21/2016 0556	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/21/2016 0556				5 mL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	107	110	76 - 131	3	30		
1,1,2,2-Tetrachloroethane	99	100	65 - 128	2	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	130	130	53 - 149	0	30		
1,1,2-Trichloroethane	95	100	77 - 122	5	30		
1,1-Dichloroethane	107	113	77 - 129	5	30		
1,1-Dichloroethene	99	104	67 - 133	5	30		
1,2,3-Trichlorobenzene	115	120	64 - 142	4	30		
1,2,4-Trichlorobenzene	112	112	66 - 137	0	30		
1,2-Dibromo-3-Chloropropane	100	109	55 - 133	8	30		
1,2-Dichlorobenzene	97	101	80 - 121	4	30		
1,2-Dichloroethane	113	120	73 - 131	5	30		
1,2-Dichloropropane	109	115	75 - 129	6	30		
1,3-Dichlorobenzene	96	98	80 - 120	2	30		
1,4-Dichlorobenzene	96	97	79 - 120	2	30		
1,4-Dioxane	98	98	65 - 150	1	30		
2-Butanone (MEK)	73	74	56 - 150	2	30		
2-Hexanone	86	90	64 - 150	4	30		
4-Methyl-2-pentanone (MIBK)	99	101	77 - 130	2	30		
Acetone	88	91	19 - 150	3	30		
Benzene	97	101	76 - 125	4	30		
Bromoform	95	98	65 - 124	3	30		
Bromomethane	78	79	10 - 150	2	30		
Carbon disulfide	105	110	69 - 131	4	30		
Carbon tetrachloride	111	115	71 - 138	4	30		
Chlorobenzene	98	101	80 - 120	3	30		
Chlorobromomethane	102	104	71 - 137	2	30		
Chlorodibromomethane	97	100	78 - 120	3	30		
Chloroethane	85	86	40 - 150	0	30		
Chloroform	103	106	81 - 127	3	30		
Chloromethane	96	99	45 - 150	4	30		
cis-1,2-Dichloroethene	95	100	82 - 127	5	30		
cis-1,3-Dichloropropene	100	105	72 - 125	5	30		
Cyclohexane	135	138	51 - 147	2	30		
Dichlorobromomethane	104	107	78 - 127	3	30		
Dichlorodifluoromethane	95	94	32 - 150	1	30		

Client: FPM Group Limited

Job Number: 460-108944-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-351543

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 460-351543/3	Analysis Batch:	460-351543	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36597.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/21/2016 0530	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/21/2016 0530				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-351543/4	Analysis Batch:	460-351543	Instrument ID:	CVOAMS8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J36598.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/21/2016 0556	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/21/2016 0556				5 mL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ethylbenzene	98	97	80 - 120	1	30		
Ethylene Dibromide	93	93	80 - 120	0	30		
Isopropylbenzene	105	105	80 - 127	1	30		
Methyl acetate	130	136	63 - 150	5	30		
Methyl tert-butyl ether	103	111	78 - 129	8	30		
Methylcyclohexane	124	128	52 - 142	4	30		
Methylene Chloride	97	101	80 - 126	4	30		
m-Xylene & p-Xylene	98	99	80 - 121	2	30		
o-Xylene	98	104	80 - 120	6	30		
Styrene	99	104	75 - 124	5	30		
Tetrachloroethene	101	107	71 - 132	6	30		
Toluene	94	96	80 - 120	2	30		
trans-1,2-Dichloroethene	99	105	78 - 127	5	30		
trans-1,3-Dichloropropene	98	104	69 - 125	6	30		
Trichloroethene	100	107	77 - 127	6	30		
Trichlorofluoromethane	107	103	50 - 150	4	30		
Vinyl chloride	83	83	53 - 142	0	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112	117	70 - 137
4-Bromofluorobenzene	109	112	70 - 131
Dibromofluoromethane (Surr)	106	112	72 - 136
Toluene-d8 (Surr)	95	97	74 - 120

Client: FPM Group Limited

Job Number: 460-108944-1

Method Blank - Batch: 460-350776

Method: 8270D
Preparation: 3510C

Lab Sample ID:	MB 460-350776/1-A	Analysis Batch:	460-351678	Instrument ID:	CBNAMS13
Client Matrix:	Water	Prep Batch:	460-350776	Lab File ID:	C21281.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	02/22/2016 1127	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	02/17/2016 1033			Injection Volume:	5 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	10	U	0.63	10
1,2,4,5-Tetrachlorobenzene	10	U	0.43	10
2,2'-oxybis[1-chloropropane]	10	U	0.93	10
2,3,4,6-Tetrachlorophenol	10	U	0.69	10
2,4,5-Trichlorophenol	10	U	0.49	10
2,4,6-Trichlorophenol	10	U	0.53	10
2,4-Dichlorophenol	10	U	0.63	10
2,4-Dimethylphenol	10	U	0.91	10
2,4-Dinitrophenol	20	U	2.4	20
2,4-Dinitrotoluene	2.0	U	1.0	2.0
2,6-Dinitrotoluene	2.0	U	0.88	2.0
2-Chloronaphthalene	10	U	0.61	10
2-Chlorophenol	10	U	0.74	10
2-Methylnaphthalene	10	U	0.88	10
2-Methylphenol	10	U	1.3	10
2-Nitroaniline	10	U	0.65	10
2-Nitrophenol	10	U	0.59	10
3,3'-Dichlorobenzidine	10	U	1.0	10
3-Nitroaniline	10	U	0.82	10
4,6-Dinitro-2-methylphenol	20	U	2.0	20
4-Bromophenyl phenyl ether	10	U	1.0	10
4-Chloro-3-methylphenol	10	U	0.76	10
4-Chloroaniline	10	U	0.73	10
4-Chlorophenyl phenyl ether	10	U	0.96	10
4-Methylphenol	10	U	0.87	10
4-Nitroaniline	10	U	0.48	10
4-Nitrophenol	20	U	4.7	20
Acenaphthene	10	U	0.88	10
Acenaphthylene	10	U	0.65	10
Acetophenone	10	U	1.0	10
Anthracene	10	U	0.57	10
Atrazine	2.0	U	0.77	2.0
Benzaldehyde	10	U	0.86	10
Benzo[a]anthracene	1.0	U	0.55	1.0
Benzo[a]pyrene	1.0	U	0.16	1.0
Benzo[b]fluoranthene	1.0	U	0.44	1.0
Benzo[g,h,i]perylene	10	U	0.75	10
Benzo[k]fluoranthene	1.0	U	0.18	1.0
Bis(2-chloroethoxy)methane	10	U	0.69	10
Bis(2-chloroethyl)ether	1.0	U	0.12	1.0
Bis(2-ethylhexyl) phthalate	2.0	U	0.72	2.0
Butyl benzyl phthalate	10	U	0.60	10
Caprolactam	10	U	1.1	10
Carbazole	10	U	0.85	10
Chrysene	2.0	U	0.67	2.0

Client: FPM Group Limited

Job Number: 460-108944-1

Method Blank - Batch: 460-350776

Method: 8270D
Preparation: 3510C

Lab Sample ID:	MB 460-350776/1-A	Analysis Batch:	460-351678	Instrument ID:	CBNAMS13
Client Matrix:	Water	Prep Batch:	460-350776	Lab File ID:	C21281.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	02/22/2016 1127	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	02/17/2016 1033			Injection Volume:	5 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	1.0	U	0.090	1.0
Dibenzofuran	10	U	0.85	10
Diethyl phthalate	10	U	1.0	10
Dimethyl phthalate	10	U	0.98	10
Di-n-butyl phthalate	10	U	0.82	10
Di-n-octyl phthalate	10	U	0.69	10
Fluoranthene	10	U	0.72	10
Fluorene	10	U	0.80	10
Hexachlorobenzene	1.0	U	0.47	1.0
Hexachlorobutadiene	1.0	U	0.76	1.0
Hexachlorocyclopentadiene	10	U	0.61	10
Hexachloroethane	1.0	U	0.090	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.21	1.0
Isophorone	10	U	0.67	10
Naphthalene	10	U	0.80	10
Nitrobenzene	1.0	U	0.49	1.0
N-Nitrosodi-n-propylamine	1.0	U	0.83	1.0
N-Nitrosodiphenylamine	10	U	0.74	10
Pentachlorophenol	20	U	2.2	20
Phenanthrene	10	U	0.65	10
Phenol	10	U	0.41	10
Pyrene	10	U	0.83	10

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	92	43 - 126
2-Fluorobiphenyl	73	63 - 113
2-Fluorophenol (Surr)	42	13 - 77
Nitrobenzene-d5 (Surr)	90	62 - 120
Phenol-d5 (Surr)	30	10 - 53
Terphenyl-d14 (Surr)	84	57 - 125

Method Blank TICs- Batch: 460-350776

Cas Number	Analyte	RT	Est. Result (ug/	Qual
	Unknown	7.83	16.2	J

Client: FPM Group Limited

Job Number: 460-108944-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-350776

Method: 8270D
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-350776/4-A	Analysis Batch:	460-351295	Instrument ID:	CBNAMS13
Client Matrix:	Water	Prep Batch:	460-350776	Lab File ID:	C21219.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	02/19/2016 1314	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	02/17/2016 1033			Injection Volume:	5 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-350776/5-A	Analysis Batch:	460-351295	Instrument ID:	CBNAMS13
Client Matrix:	Water	Prep Batch:	460-350776	Lab File ID:	C21220.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	02/19/2016 1338	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	02/17/2016 1033			Injection Volume:	5 uL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Atrazine	124	123	58 - 134	0	30	E	E
Benzaldehyde	89	89	56 - 114	0	30		
Caprolactam	30	31	10 - 45	4	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	98	99	43 - 126
2-Fluorobiphenyl	77	80	63 - 113
2-Fluorophenol (Surr)	40	39	13 - 77
Nitrobenzene-d5 (Surr)	94	96	62 - 120
Phenol-d5 (Surr)	27	27	10 - 53
Terphenyl-d14 (Surr)	96	100	57 - 125

Client: FPM Group Limited

Job Number: 460-108944-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-350776

Method: 8270D
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-350776/2-A	Analysis Batch:	460-351887	Instrument ID:	CBNAMS14
Client Matrix:	Water	Prep Batch:	460-350776	Lab File ID:	N9925.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	02/23/2016 0937	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	02/17/2016 1033			Injection Volume:	5 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-350776/3-A	Analysis Batch:	460-351887	Instrument ID:	CBNAMS14
Client Matrix:	Water	Prep Batch:	460-350776	Lab File ID:	N9926.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	02/23/2016 1002	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	02/17/2016 1033			Injection Volume:	5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1'-Biphenyl	83	85	62 - 108	2	30		
1,2,4,5-Tetrachlorobenzene	90	93	57 - 113	3	30		
2,2'-oxybis[1-chloropropane]	75	80	48 - 107	8	30		
2,3,4,6-Tetrachlorophenol	89	88	61 - 118	1	30		
2,4,5-Trichlorophenol	91	92	66 - 111	1	30		
2,4,6-Trichlorophenol	99	97	67 - 115	2	30		
2,4-Dichlorophenol	93	91	70 - 103	3	30		
2,4-Dimethylphenol	83	84	65 - 104	1	30		
2,4-Dinitrophenol	82	84	41 - 114	2	30		
2,4-Dinitrotoluene	83	81	60 - 119	3	30		
2,6-Dinitrotoluene	91	87	69 - 112	4	30		
2-Chloronaphthalene	86	86	62 - 105	0	30		
2-Chlorophenol	69	73	55 - 96	6	30		
2-Methylnaphthalene	81	82	62 - 104	2	30		
2-Methylphenol	53	57	41 - 88	7	30		
2-Nitroaniline	88	90	59 - 111	3	30		
2-Nitrophenol	92	97	72 - 105	5	30		
3,3'-Dichlorobenzidine	102	97	71 - 132	5	30		
3-Nitroaniline	75	76	54 - 108	0	30		
4,6-Dinitro-2-methylphenol	115	111	72 - 125	3	30		
4-Bromophenyl phenyl ether	107	106	66 - 134	1	30		
4-Chloro-3-methylphenol	83	79	58 - 109	5	30		
4-Chloroaniline	80	76	61 - 106	5	30		
4-Chlorophenyl phenyl ether	86	86	63 - 112	0	30		
4-Methylphenol	49	50	35 - 81	1	30		
4-Nitroaniline	73	69	42 - 128	6	30		
4-Nitrophenol	28	29	10 - 53	5	30		
Acenaphthene	83	82	55 - 110	2	30		
Acenaphthylene	83	82	67 - 110	1	30		
Acetophenone	74	79	61 - 118	7	30		
Anthracene	94	94	76 - 113	0	30		
Benzo[a]anthracene	105	100	75 - 116	5	30		
Benzo[a]pyrene	115	116	75 - 122	1	30		
Benzo[b]fluoranthene	119	119	74 - 125	0	30		
Benzo[g,h,i]perylene	115	113	66 - 144	2	30		

Client: FPM Group Limited

Job Number: 460-108944-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-350776

Method: 8270D
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-350776/2-A	Analysis Batch:	460-351887	Instrument ID:	CBNAMS14
Client Matrix:	Water	Prep Batch:	460-350776	Lab File ID:	N9925.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	02/23/2016 0937	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	02/17/2016 1033			Injection Volume:	5 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-350776/3-A	Analysis Batch:	460-351887	Instrument ID:	CBNAMS14
Client Matrix:	Water	Prep Batch:	460-350776	Lab File ID:	N9926.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	02/23/2016 1002	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	02/17/2016 1033			Injection Volume:	5 uL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzo[k]fluoranthene	102	106	70 - 120	3	30		
Bis(2-chloroethoxy)methane	92	91	68 - 109	0	30		
Bis(2-chloroethyl)ether	78	82	60 - 104	5	30		
Bis(2-ethylhexyl) phthalate	111	111	68 - 131	0	30		
Butyl benzyl phthalate	113	112	68 - 122	1	30		
Carbazole	97	94	69 - 118	3	30		
Chrysene	108	104	73 - 115	3	30		
Dibenz(a,h)anthracene	127	126	72 - 142	1	30		
Dibenzofuran	82	82	63 - 106	1	30		
Diethyl phthalate	86	83	62 - 115	3	30		
Dimethyl phthalate	83	82	68 - 111	1	30		
Di-n-butyl phthalate	104	101	66 - 127	2	30		
Di-n-octyl phthalate	115	119	58 - 126	3	30		
Fluoranthene	97	95	65 - 125	2	30		
Fluorene	80	79	66 - 112	1	30		
Hexachlorobenzene	112	108	66 - 136	4	30		
Hexachlorobutadiene	87	88	47 - 100	1	30		
Hexachlorocyclopentadiene	59	65	42 - 115	9	30		
Hexachloroethane	67	76	44 - 91	13	30		
Indeno[1,2,3-cd]pyrene	107	104	72 - 139	2	30		
Isophorone	73	73	61 - 107	0	30		
Naphthalene	79	80	61 - 100	1	30		
Nitrobenzene	97	99	66 - 105	2	30		
N-Nitrosodi-n-propylamine	75	79	57 - 120	5	30		
N-Nitrosodiphenylamine	100	98	65 - 121	2	30		
Pentachlorophenol	102	100	58 - 125	2	30		
Phenanthrene	98	95	76 - 116	3	30		
Phenol	27	28	14 - 50	3	30		
Pyrene	109	106	57 - 120	3	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	72	72	43 - 126
2-Fluorobiphenyl	73	74	63 - 113
2-Fluorophenol (Surr)	36	38	13 - 77
Nitrobenzene-d5 (Surr)	83	86	62 - 120
Phenol-d5 (Surr)	21	22	10 - 53

Client: FPM Group Limited

Job Number: 460-108944-1

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Terphenyl-d14 (Surr)	95	97	57 - 125

Client: FPM Group Limited

Job Number: 460-108944-1

Method Blank - Batch: 460-350746

Method: 8081B
Preparation: 3510C

Lab Sample ID:	MB 460-350746/1-A	Analysis Batch:	460-350930	Instrument ID:	CPESTGC5
Client Matrix:	Water	Prep Batch:	460-350746	Lab File ID:	PR241473.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	02/18/2016 0200	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	02/17/2016 0849			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	0.020	U	0.0050	0.020
4,4'-DDE	0.020	U	0.0040	0.020
4,4'-DDT	0.020	U	0.0040	0.020
Aldrin	0.020	U	0.0040	0.020
alpha-BHC	0.020	U	0.0060	0.020
beta-BHC	0.020	U	0.0050	0.020
Chlordane (technical)	0.50	U	0.13	0.50
delta-BHC	0.020	U	0.0060	0.020
Dieldrin	0.020	U	0.0040	0.020
Endosulfan I	0.020	U	0.0050	0.020
Endosulfan II	0.020	U	0.0040	0.020
Endosulfan sulfate	0.020	U	0.0050	0.020
Endrin	0.020	U	0.0040	0.020
Endrin aldehyde	0.020	U	0.0040	0.020
Endrin ketone	0.020	U	0.0040	0.020
gamma-BHC (Lindane)	0.020	U	0.0040	0.020
Heptachlor	0.020	U	0.0040	0.020
Heptachlor epoxide	0.020	U	0.0040	0.020
Methoxychlor	0.020	U	0.0040	0.020
Toxaphene	0.50	U	0.060	0.50

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	48	16 - 144
Tetrachloro-m-xylene	60	47 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	42	16 - 144
Tetrachloro-m-xylene	54	47 - 150

Client: FPM Group Limited

Job Number: 460-108944-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-350746

Method: 8081B
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-350746/2-A	Analysis Batch:	460-350930	Instrument ID:	CPESTGC5
Client Matrix:	Water	Prep Batch:	460-350746	Lab File ID:	PR241474.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	02/18/2016 0213	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	02/17/2016 0849			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 460-350746/3-A	Analysis Batch:	460-350930	Instrument ID:	CPESTGC5
Client Matrix:	Water	Prep Batch:	460-350746	Lab File ID:	PR241475.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	02/18/2016 0226	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	02/17/2016 0849			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
4,4'-DDD	126	128	61 - 150	2	30		
4,4'-DDE	124	124	58 - 150	0	30		
4,4'-DDT	135	138	58 - 150	2	30		
Aldrin	120	120	60 - 150	0	30		
alpha-BHC	122	123	63 - 150	0	30		
beta-BHC	130	130	61 - 150	0	30		
delta-BHC	110	110	54 - 150	1	30		
Dieldrin	123	122	60 - 150	0	30		
Endosulfan I	122	122	64 - 150	0	30		
Endosulfan II	127	126	62 - 150	0	30		
Endosulfan sulfate	124	123	62 - 150	1	30		
Endrin	116	119	60 - 150	2	30		
Endrin aldehyde	132	135	62 - 150	2	30		
Endrin ketone	144	144	64 - 150	0	30		
gamma-BHC (Lindane)	119	119	65 - 150	1	30		
Heptachlor	117	117	60 - 150	0	30		
Heptachlor epoxide	122	122	66 - 150	0	30		
Methoxychlor	132	134	52 - 150	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	121	122	16 - 144
Tetrachloro-m-xylene	116	117	47 - 150

Client: FPM Group Limited

Job Number: 460-108944-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-350746

Method: 8081B
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-350746/2-A	Analysis Batch:	460-350930	Instrument ID:	CPESTGC5
Client Matrix:	Water	Prep Batch:	460-350746	Lab File ID:	PR241474.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	02/18/2016 0213	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	02/17/2016 0849			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

LCSD Lab Sample ID:	LCSD 460-350746/3-A	Analysis Batch:	460-350930	Instrument ID:	CPESTGC5
Client Matrix:	Water	Prep Batch:	460-350746	Lab File ID:	PR241475.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	02/18/2016 0226	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	02/17/2016 0849			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
4,4'-DDD	124	126	61 - 150	1	30		
4,4'-DDE	122	124	58 - 150	2	30		
4,4'-DDT	130	130	58 - 150	0	30		
Aldrin	117	117	60 - 150	0	30		
alpha-BHC	114	115	63 - 150	1	30		
beta-BHC	125	128	61 - 150	2	30		
delta-BHC	107	107	54 - 150	0	30		
Dieldrin	118	122	60 - 150	3	30		
Endosulfan I	118	121	64 - 150	2	30		
Endosulfan II	123	125	62 - 150	2	30		
Endosulfan sulfate	118	120	62 - 150	1	30		
Endrin	116	115	60 - 150	1	30		
Endrin aldehyde	118	118	62 - 150	0	30		
Endrin ketone	143	143	64 - 150	0	30		
gamma-BHC (Lindane)	117	118	65 - 150	1	30		
Heptachlor	114	113	60 - 150	0	30		
Heptachlor epoxide	116	118	66 - 150	1	30		
Methoxychlor	128	127	52 - 150	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	120	118	16 - 144
Tetrachloro-m-xylene	113	113	47 - 150

Client: FPM Group Limited

Job Number: 460-108944-1

Method Blank - Batch: 460-350745

Method: 8082A
Preparation: 3510C

Lab Sample ID:	MB 460-350745/1-A	Analysis Batch:	460-351212	Instrument ID:	CPESTGC11
Client Matrix:	Water	Prep Batch:	460-350745	Lab File ID:	T1315832.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	02/19/2016 0505	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	02/17/2016 0845			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.40	U	0.098	0.40
Aroclor 1221	0.40	U	0.098	0.40
Aroclor 1232	0.40	U	0.098	0.40
Aroclor 1242	0.40	U	0.098	0.40
Aroclor 1248	0.40	U	0.098	0.40
Aroclor 1254	0.40	U	0.084	0.40
Aroclor 1260	0.40	U	0.084	0.40
Aroclor-1262	0.40	U	0.084	0.40
Aroclor 1268	0.40	U	0.084	0.40
Polychlorinated biphenyls, Total	0.40	U	0.098	0.40

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	71	10 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	68	10 - 150

Client: FPM Group Limited

Job Number: 460-108944-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-350745

Method: 8082A
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-350745/2-A	Analysis Batch:	460-351212	Instrument ID:	CPESTGC11
Client Matrix:	Water	Prep Batch:	460-350745	Lab File ID:	T1315833.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	02/19/2016 0519	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	02/17/2016 0845			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 460-350745/3-A	Analysis Batch:	460-351212	Instrument ID:	CPESTGC11
Client Matrix:	Water	Prep Batch:	460-350745	Lab File ID:	T1315834.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	02/19/2016 0534	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	02/17/2016 0845			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aroclor 1016	123	122	74 - 150	1	30		
Aroclor 1260	114	120	65 - 150	5	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	89	104	10 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-350745

Method: 8082A
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-350745/2-A	Analysis Batch:	460-351212	Instrument ID:	CPESTGC11
Client Matrix:	Water	Prep Batch:	460-350745	Lab File ID:	T1315833.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	02/19/2016 0519	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	02/17/2016 0845			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

LCSD Lab Sample ID:	LCSD 460-350745/3-A	Analysis Batch:	460-351212	Instrument ID:	CPESTGC11
Client Matrix:	Water	Prep Batch:	460-350745	Lab File ID:	T1315834.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	02/19/2016 0534	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	02/17/2016 0845			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aroclor 1016	116	116	74 - 150	0	30		
Aroclor 1260	110	119	65 - 150	8	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	87	99	10 - 150

Client: FPM Group Limited

Job Number: 460-108944-1

Method Blank - Batch: 460-351042

Method: 6010C
Preparation: 3010A
Dissolved

Lab Sample ID:	MB 460-351045/1-B	Analysis Batch:	460-351510	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-351042	Lab File ID:	02202016.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	02/20/2016 1535	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0936				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	200	U	69.5	200
Antimony	20.0	U	4.7	20.0
Arsenic	15.0	U	4.4	15.0
Barium	200	U	5.5	200
Beryllium	2.0	U	1.8	2.0
Cadmium	4.0	U	2.3	4.0
Calcium	5000	U	317	5000
Chromium	10.0	U	4.5	10.0
Cobalt	50.0	U	5.1	50.0
Copper	25.0	U	5.0	25.0
Iron	150	U	65.4	150
Lead	10.0	U	4.2	10.0
Magnesium	5000	U	260	5000
Manganese	15.0	U	4.9	15.0
Nickel	40.0	U	5.4	40.0
Potassium	5000	U	122	5000
Selenium	20.0	U	6.8	20.0
Silver	10.0	U	1.9	10.0
Sodium	5000	U	315	5000
Thallium	20.0	U	4.5	20.0
Vanadium	50.0	U	4.4	50.0
Zinc	30.0	U	5.9	30.0

Client: FPM Group Limited

Job Number: 460-108944-1

Lab Control Sample - Batch: 460-351042

Method: 6010C
Preparation: 3010A

Lab Sample ID:	LCS 460-351042/2-A	Analysis Batch:	460-351510	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-351042	Lab File ID:	02202016.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	02/20/2016 1539	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0936				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	2000	1920	96	80 - 120	
Antimony	500	457.0	91	80 - 120	
Arsenic	2000	1875	94	80 - 120	
Barium	2000	1918	96	80 - 120	
Beryllium	50.0	50.39	101	80 - 120	
Cadmium	50.0	48.32	97	80 - 120	
Calcium	20000	19340	97	80 - 120	
Chromium	200	207.4	104	80 - 120	
Cobalt	500	489.3	98	80 - 120	
Copper	250	231.9	93	80 - 120	
Iron	1000	1029	103	80 - 120	
Lead	500	495.7	99	80 - 120	
Magnesium	20000	19170	96	80 - 120	
Manganese	500	507.8	102	80 - 120	
Nickel	500	503.0	101	80 - 120	
Potassium	20000	18230	91	80 - 120	
Selenium	2000	1858	93	80 - 120	
Silver	50.0	46.66	93	80 - 120	
Sodium	20000	20070	100	80 - 120	
Thallium	2000	2092	105	80 - 120	
Vanadium	500	496.1	99	80 - 120	
Zinc	500	503.0	101	80 - 120	

Client: FPM Group Limited

Job Number: 460-108944-1

Matrix Spike - Batch: 460-351042

Method: 6010C
Preparation: 3010A
Dissolved

Lab Sample ID:	460-108944-1	Analysis Batch:	460-351510	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-351042	Lab File ID:	02202016.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	02/20/2016 1546	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0936				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	U	2000	1961	98	75 - 125	
Antimony	20.0	U	500	480.7	96	75 - 125	
Arsenic	15.0	U	2000	1990	100	75 - 125	
Barium	264		2000	2150	94	75 - 125	
Beryllium	2.0	U	50.0	49.92	100	75 - 125	
Cadmium	4.0	U	50.0	47.53	95	75 - 125	
Calcium	135000		20000	153400	91	75 - 125	4
Chromium	10.0	U	200	203.5	102	75 - 125	
Cobalt	50.0	U	500	481.0	96	75 - 125	
Copper	25.0	U	250	246.0	98	75 - 125	
Iron	150	U	1000	993.2	99	75 - 125	
Lead	10.0	U	500	477.9	96	75 - 125	
Magnesium	23700		20000	42390	94	75 - 125	
Manganese	887		500	1374	97	75 - 125	
Nickel	40.0	U	500	490.4	98	75 - 125	
Potassium	5020		20000	23620	93	75 - 125	
Selenium	20.0	U	2000	1927	96	75 - 125	
Silver	10.0	U	50.0	48.14	96	75 - 125	
Thallium	20.0	U	2000	1943	97	75 - 125	
Vanadium	50.0	U	500	500.4	100	75 - 125	
Zinc	30.0	U	500	498.5	100	75 - 125	

Matrix Spike - Batch: 460-351042

Method: 6010C
Preparation: 3010A
Dissolved

Lab Sample ID:	460-108944-1	Analysis Batch:	460-351510	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-351042	Lab File ID:	02202016.asc
Dilution:	3.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	02/20/2016 1822	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0936				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	466000	20000	482700	84	75 - 125	4

Client: FPM Group Limited

Job Number: 460-108944-1

Duplicate - Batch: 460-351042

Method: 6010C
Preparation: 3010A
Dissolved

Lab Sample ID:	460-108944-1	Analysis Batch:	460-351510	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-351042	Lab File ID:	02202016.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	02/20/2016 1549	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0936				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	200	U	200	NC	20	U
Antimony	20.0	U	20.0	NC	20	U
Arsenic	15.0	U	15.0	NC	20	U
Barium	264		266.0	0.9	20	
Beryllium	2.0	U	2.0	NC	20	U
Cadmium	4.0	U	4.0	NC	20	U
Calcium	135000		135900	0.5	20	
Chromium	10.0	U	10.0	NC	20	U
Cobalt	50.0	U	50.0	NC	20	U
Copper	25.0	U	25.0	NC	20	U
Iron	150	U	150	NC	20	U
Lead	10.0	U	10.0	NC	20	U
Magnesium	23700		23730	0.3	20	
Manganese	887		895.3	0.9	20	
Nickel	40.0	U	40.0	NC	20	U
Potassium	5020		5172	3	20	
Selenium	20.0	U	20.0	NC	20	U
Silver	10.0	U	10.0	NC	20	U
Thallium	20.0	U	20.0	NC	20	U
Vanadium	50.0	U	50.0	NC	20	U
Zinc	30.0	U	30.0	NC	20	U

Duplicate - Batch: 460-351042

Method: 6010C
Preparation: 3010A
Dissolved

Lab Sample ID:	460-108944-1	Analysis Batch:	460-351510	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-351042	Lab File ID:	02202016.asc
Dilution:	3.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	02/20/2016 1826	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0936				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Sodium	466000	467400	0.3	20	

Client: FPM Group Limited

Job Number: 460-108944-1

Method Blank - Batch: 460-351043

Method: 6010C
Preparation: 3010A

Lab Sample ID:	MB 460-351043/1-A	Analysis Batch:	460-351412	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-351043	Lab File ID:	02192016.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	02/19/2016 1859	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0937				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	200	U	69.5	200
Antimony	20.0	U	4.7	20.0
Arsenic	15.0	U	4.4	15.0
Barium	200	U	5.5	200
Beryllium	2.0	U	1.8	2.0
Cadmium	4.0	U	2.3	4.0
Calcium	5000	U	317	5000
Chromium	10.0	U	4.5	10.0
Cobalt	50.0	U	5.1	50.0
Copper	25.0	U	5.0	25.0
Iron	150	U	65.4	150
Lead	10.0	U	4.2	10.0
Magnesium	5000	U	260	5000
Manganese	15.0	U	4.9	15.0
Nickel	40.0	U	5.4	40.0
Potassium	5000	U	122	5000
Selenium	20.0	U	6.8	20.0
Silver	10.0	U	1.9	10.0
Sodium	5000	U	315	5000
Thallium	20.0	U	4.5	20.0
Vanadium	50.0	U	4.4	50.0
Zinc	30.0	U	5.9	30.0

Client: FPM Group Limited

Job Number: 460-108944-1

Lab Control Sample - Batch: 460-351043

Method: 6010C
Preparation: 3010A

Lab Sample ID:	LCS 460-351043/2-A	Analysis Batch:	460-351412	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-351043	Lab File ID:	02192016.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	02/19/2016 1903	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0937				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	2000	1939	97	80 - 120	
Antimony	500	490.3	98	80 - 120	
Arsenic	2000	1964	98	80 - 120	
Barium	2000	2063	103	80 - 120	
Beryllium	50.0	49.33	99	80 - 120	
Cadmium	50.0	51.97	104	80 - 120	
Calcium	20000	19840	99	80 - 120	
Chromium	200	203.4	102	80 - 120	
Cobalt	500	518.8	104	80 - 120	
Copper	250	250.4	100	80 - 120	
Iron	1000	1049	105	80 - 120	
Lead	500	523.5	105	80 - 120	
Magnesium	20000	19280	96	80 - 120	
Manganese	500	523.5	105	80 - 120	
Nickel	500	531.8	106	80 - 120	
Potassium	20000	18120	91	80 - 120	
Selenium	2000	2017	101	80 - 120	
Silver	50.0	48.39	97	80 - 120	
Sodium	20000	20430	102	80 - 120	
Thallium	2000	2133	107	80 - 120	
Vanadium	500	517.0	103	80 - 120	
Zinc	500	523.9	105	80 - 120	

Client: FPM Group Limited

Job Number: 460-108944-1

Matrix Spike - Batch: 460-351043

Method: 6010C
Preparation: 3010A

Lab Sample ID:	460-109031-G-6-C MS	Analysis Batch:	460-351412	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-351043	Lab File ID:	02192016.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	02/19/2016 1832	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0937				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	U	2000	1922	96	75 - 125	
Antimony	20.0	U	500	499.4	100	75 - 125	
Arsenic	15.0	U	2000	1985	99	75 - 125	
Barium	40.3	J	2000	2055	101	75 - 125	
Beryllium	2.0	U	50.0	48.34	97	75 - 125	
Cadmium	4.0	U	50.0	50.20	100	75 - 125	
Calcium	40200		20000	57140	85	75 - 125	
Chromium	10.0	U	200	197.0	99	75 - 125	
Cobalt	50.0	U	500	501.2	100	75 - 125	
Copper	25.0	U	250	245.8	98	75 - 125	
Iron	150	U	1000	1042	104	75 - 125	
Lead	10.0	U	500	509.4	102	75 - 125	
Magnesium	23800		20000	41190	87	75 - 125	
Manganese	15.0	U	500	507.9	102	75 - 125	
Nickel	40.0	U	500	511.5	102	75 - 125	
Potassium	2960	J	20000	20300	87	75 - 125	
Selenium	20.0	U	2000	1988	99	75 - 125	
Silver	10.0	U	50.0	47.34	95	75 - 125	
Sodium	11200		20000	30310	95	75 - 125	
Thallium	20.0	U	2000	2070	104	75 - 125	
Vanadium	50.0	U	500	503.6	101	75 - 125	
Zinc	8.4	J	500	508.1	100	75 - 125	

Client: FPM Group Limited

Job Number: 460-108944-1

Duplicate - Batch: 460-351043

Method: 6010C
Preparation: 3010A

Lab Sample ID:	460-109031-G-6-B DU	Analysis Batch:	460-351412	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-351043	Lab File ID:	02192016.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	02/19/2016 1847	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	02/18/2016 0937				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	200	U	200	NC	20	U
Antimony	20.0	U	20.0	NC	20	U
Arsenic	15.0	U	15.0	NC	20	U
Barium	40.3	J	40.53	0.5	20	J
Beryllium	2.0	U	2.0	NC	20	U
Cadmium	4.0	U	4.0	NC	20	U
Calcium	40200		40180	0.1	20	
Chromium	10.0	U	10.0	NC	20	U
Cobalt	50.0	U	50.0	NC	20	U
Copper	25.0	U	25.0	NC	20	U
Iron	150	U	150	NC	20	U
Lead	10.0	U	10.0	NC	20	U
Magnesium	23800		23680	0.4	20	
Manganese	15.0	U	15.0	NC	20	U
Nickel	40.0	U	40.0	NC	20	U
Potassium	2960	J	2944	0.5	20	J
Selenium	20.0	U	20.0	NC	20	U
Silver	10.0	U	10.0	NC	20	U
Sodium	11200		11150	0.8	20	
Thallium	20.0	U	20.0	NC	20	U
Vanadium	50.0	U	50.0	NC	20	U
Zinc	8.4	J	8.85	5	20	J

Client: FPM Group Limited

Job Number: 460-108944-1

Method Blank - Batch: 460-350711

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 460-350711/12-A	Analysis Batch:	460-350783	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-350711	Lab File ID:	350711HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	02/17/2016 0839	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	02/17/2016 0428				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.14	0.20

Lab Control Sample - Batch: 460-350711

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 460-350711/13-A	Analysis Batch:	460-350783	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-350711	Lab File ID:	350711HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	02/17/2016 0841	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	02/17/2016 0428				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	1.03	103	80 - 120	

Matrix Spike - Batch: 460-350711

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-108865-A-1-C MS	Analysis Batch:	460-350783	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-350711	Lab File ID:	350711HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	02/17/2016 0847	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	02/17/2016 0428				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.20	U	1.00	0.971	97	80 - 120	

Client: FPM Group Limited

Job Number: 460-108944-1

Duplicate - Batch: 460-350711

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-108865-A-1-B DU	Analysis Batch:	460-350783	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-350711	Lab File ID:	350711HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	02/17/2016 0845	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	02/17/2016 0428				
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: 460-108944-1

Method Blank - Batch: 460-350780

Method: 7470A
Preparation: 7470A
Dissolved

Lab Sample ID:	MB 460-350779/1-B	Analysis Batch:	460-350845	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-350780	Lab File ID:	350780hg.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	02/17/2016 1337	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	02/17/2016 1103				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.14	0.20

Lab Control Sample - Batch: 460-350780

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 460-350780/4-A	Analysis Batch:	460-350845	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-350780	Lab File ID:	350780hg.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	02/17/2016 1339	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	02/17/2016 1103				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	0.968	97	80 - 120	

Matrix Spike - Batch: 460-350780

Method: 7470A
Preparation: 7470A
Dissolved

Lab Sample ID:	460-108824-D-1-H MS	Analysis Batch:	460-350845	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-350780	Lab File ID:	350780hg.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	02/17/2016 1345	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	02/17/2016 1103				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.20	U	1.00	1.02	102	80 - 120	

Client: FPM Group Limited

Job Number: 460-108944-1

Duplicate - Batch: 460-350780

Method: 7470A
Preparation: 7470A
Dissolved

Lab Sample ID:	460-108824-D-1-G DU	Analysis Batch:	460-350845	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-350780	Lab File ID:	350780hg.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	02/17/2016 1343	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	02/17/2016 1103				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.20	U	0.20	NC	20	U

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

02/26/2016

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: Queens Boulevard (QB)
Company: FPM Group	P. O. #: 11219-15-10	State (Location of site): NJ: [ ] NY: [x] Other:
		Regulatory Program: CATA DKQP: [ ]
Address: 909 Marconi Avenue	Analysis Turnaround Time: Standard [x]	
City: Ronkonkoma State: NY 11779	Rush Charges Authorized For: 2 Week [ ] 1 Week [ ] Other [ ]	
Phone: (631) 737-6200 Fax: (631) 737-2410		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No: 108944

Sample Identification	Date	Time	Matrix	No. of Cont.	VOC's 8260	SVOC's 8270	PCB's 8082	Pesticides 8081	TAL Metals	Mercury	Sample Numbers
MW-1	2/11/16	10:00	GW	11	X	X	X	X	X	X	-1
MW-2	↓	11:30	↓	11	↓	↓	↓	↓	↓	↓	-2
MW-3	↓	13:00	↓	2	↓						-3
MW-4	↓	11:00	↓	11	↓	X	X	X	X	X	-4
TB0211	↓	9:00	↓	2	↓						-5

460-108944 Chain of Custody

5-Day RUSH

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____

	VOC's 8260	SVOC's 8270	PCB's 8082	Pesticides 8081	TAL Metals	Mercury
Soil:						
Water:	1, 2	1	1	1	1, 4	1, 4

Special Instructions

Water Metals Filtered (Yes/No)? lab to filter the unpreserved metals sample

Relinquished by	Company	Date / Time	Received by	Company
	FPM	2/12/16 1644	1)	TA
Relinquished by 2)	Company T.D.	Date / Time 2/12/16 15:00	Received by 2)	Company TA Edison
Relinquished by 3)	Company	Date / Time	Received by 3)	Company 2/12/16
Relinquished by 4)	Company	Date / Time	Received by 4)	Company 1500

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

TAL - 0016 (0715)

Massachusetts (M-NJ312), North Carolina (No. 578) 1.4/2.4 1 RA 6 NOCs.

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 108944

Number of Coolers: 3 IR Gun # 6

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.8 °C	2 °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
1				<2											
2				<2											
4				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: NA

Preservative Name/Conc.: NA Volume of Preservative used (ml): NA

Lot # of Preservative(s): NA Expiration Date: NA

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: 2/12/10

EDS-WI-038, Rev 4, 06/09/2014

Login Sample Receipt Checklist

Client: FPM Group Limited

Job Number: 460-108944-1

Login Number: 108944
List Number: 1
Creator: Lysy, Susan

List Source: TestAmerica Edison

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	2.4°C IR#6
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 (excluding tests with immediate HTs)	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 5

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: Queens Boulevard

Monday, February 15, 2016
Order No.: C1602017

Dear George Holmes:

Centek Laboratories, LLC received 6 sample(s) on 2/5/2016 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: *17-Feb-16*

CLIENT: FPM Group, Ltd.

Project: Queens Boulevard

Lab Order: C1602017

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Centek Laboratories, LLC SOP TS-80
Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999

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: Queens Boulevard
Project:
PO#: 1121g-15-10
Quote # Q-SP / 80
Other: 5583

Detection Limit	Report Level
☐ 5ppbv	☐ Level I
☒ 1ug/M3	☒ Level II
☐ 1ug/M3 +TCE .25	☐ Cat "B" Like

TAT Turnaround Time:	Check One	Rush TAT Surcharge %	Due Date:
5 Business Days	☒	0%	2/12/16
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%	

*For Same and Next Day TAT Please Notify Lab

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 Start/Stop
SV-1	2/3-2/4/16	106	441	TO-15		-29/-4
SV-2		94	385			-28/-3
SV-3		128	437			-30/-4
SV-4		239	454			-30/-3
SV-5		318	432			-30/-4
Trip Blank		88	-			-

Chain of Custody	Print Name	Signature	Date/Time	Courier: CIRCLE ONE
Sampled by:	George Holmes		2/4/16 16:30	FedEx UPS Pickup/Dropoff
Relinquished by:				For LAB USE ONLY
Received at Lab by:	NICK MANDARINO		2-5-16	Work Order # C1602017

*** 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 2/5/2016

Work Order Numbe C1602017

Received by NM

Checklist completed by [signature] 2-5-16 (Signature / Date)

Reviewed by WD 2/5/16 (Initials / Date)

Matrix:

Carrier name: FedEx Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shipppping 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 _____

CENTEK LABORATORIES, LLC

Date: *17-Feb-16*

CLIENT: FPM Group, Ltd.
Project: Queens Boulevard
Lab Order: C1602017

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
C1602017-001A	SV-1	106.441	2/3/2016	2/5/2016
C1602017-002A	SV-2	94.385	2/3/2016	2/5/2016
C1602017-003A	SV-3	128.437	2/3/2016	2/5/2016
C1602017-004A	SV-4	239.454	2/3/2016	2/5/2016
C1602017-005A	SV-5	318.432	2/3/2016	2/5/2016
C1602017-006A	Trip Blank	88	2/3/2016	2/5/2016

Centek Laboratories, LLC

17-Feb-16

Lab Order: C1602017
Client: FPM Group, Ltd.
Project: Queens Boulevard

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
C1602017-001A	SV-1	2/3/2016	Air	1ug/M3 by Method TO15			2/6/2016
				1ug/M3 by Method TO15			2/12/2016
				1ug/M3 by Method TO15			2/6/2016
C1602017-002A	SV-2			1ug/M3 by Method TO15			2/6/2016
				1ug/M3 by Method TO15			2/6/2016
				1ug/M3 by Method TO15			2/12/2016
C1602017-003A	SV-3			1ug/M3 by Method TO15			2/12/2016
				1ug/M3 by Method TO15			2/6/2016
				1ug/M3 by Method TO15			2/6/2016
C1602017-004A	SV-4			1ug/M3 by Method TO15			2/6/2016
				1ug/M3 by Method TO15			2/6/2016
				1ug/M3 by Method TO15			2/12/2016
C1602017-005A	SV-5			1ug/M3 by Method TO15			2/6/2016
				1ug/M3 by Method TO15			2/6/2016
				1ug/M3 by Method TO15			2/12/2016
C1602017-006A	Trip Blank			1ug/M3 by Method TO15			2/6/2016

Date: *15-Feb-16*

CENTEK LABORATORIES, LLC

ANALYTICAL QC SUMMARY REPORT

CLIENT: FPM Group, Ltd.
Work Order: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID **AMB1UG-020616** SampType: **MBLK** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **10642**
Client ID: **ZZZZZ** Batch ID: **R10642** TestNo: **TO-15** Analysis Date: **2/6/2016** SeqNo: **125159**

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: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID	AMB1UG-020616	SampType:	MBLK	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	10642
Client ID:	ZZZZZ	Batch ID:	R10642	TestNo:	TO-15			Analysis Date:	2/6/2016	SeqNo:	125159

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: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID	AMB1UG-020616	SampType:	MBLK	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	10642
Client ID:	ZZZZZ	Batch ID:	R10642	TestNo:	TO-15			Analysis Date:	2/6/2016	SeqNo:	125159

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-020516	SampType:	MBLK	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	10643
Client ID:	ZZZZZ	Batch ID:	R10643	TestNo:	TO-15			Analysis Date:	2/5/2016	SeqNo:	125180

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: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID	**AMB1UG-020516**	SampType:	**MBLK**	TestCode:	**1ugM3_TO15**	Units:	**ppbV**	Prep Date:		RunNo:	**10643**
Client ID:	**ZZZZZ**	Batch ID:	**R10643**	TestNo:	**TO-15**			Analysis Date:	**2/5/2016**	SeqNo:	**125180**

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: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID	AMB1UG-020516	SampType:	MBLK	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	10643
Client ID:	ZZZZZ	Batch ID:	R10643	TestNo:	TO-15			Analysis Date:	2/5/2016	SeqNo:	125180

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-021216	SampType:	MBLK	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	10644
Client ID:	ZZZZZ	Batch ID:	R10644	TestNo:	TO-15			Analysis Date:	2/12/2016	SeqNo:	125190

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	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: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID	AMB1UG-021216	SampType:	MBLK	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	10644
Client ID:	ZZZZZ	Batch ID:	R10644	TestNo:	TO-15			Analysis Date:	2/12/2016	SeqNo:	125190

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: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID **AMB1UG-021216** SampType: **MBLK** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **10644**
Client ID: **ZZZZZ** Batch ID: **R10644** TestNo: **TO-15** Analysis Date: **2/12/2016** SeqNo: **125190**

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-020616** SampType: **LCS** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **10642**
Client ID: **ZZZZZ** Batch ID: **R10642** TestNo: **TO-15** Analysis Date: **2/6/2016** SeqNo: **125160**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.9300	0.15	1	0	93.0	70	130				
1,1,2,2-Tetrachloroethane	0.9200	0.15	1	0	92.0	70	130				
1,1,2-Trichloroethane	0.9800	0.15	1	0	98.0	70	130				
1,1-Dichloroethane	0.9600	0.15	1	0	96.0	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: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID	ALCS1UG-020616	SampType:	LCS	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	10642
Client ID:	ZZZZZ	Batch ID:	R10642	TestNo:	TO-15			Analysis Date:	2/6/2016	SeqNo:	125160

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	1.070	0.15	1	0	107	70	130				
1,2,4-Trichlorobenzene	0.8500	0.15	1	0	85.0	70	130				
1,2,4-Trimethylbenzene	0.9100	0.15	1	0	91.0	70	130				
1,2-Dibromoethane	0.9600	0.15	1	0	96.0	70	130				
1,2-Dichlorobenzene	0.9500	0.15	1	0	95.0	70	130				
1,2-Dichloroethane	0.8800	0.15	1	0	88.0	70	130				
1,2-Dichloropropane	1.000	0.15	1	0	100	70	130				
1,3,5-Trimethylbenzene	0.9000	0.15	1	0	90.0	70	130				
1,3-butadiene	0.9400	0.15	1	0	94.0	70	130				
1,3-Dichlorobenzene	0.9800	0.15	1	0	98.0	70	130				
1,4-Dichlorobenzene	0.9600	0.15	1	0	96.0	70	130				
1,4-Dioxane	1.070	0.30	1	0	107	70	130				
2,2,4-trimethylpentane	0.9200	0.15	1	0	92.0	70	130				
4-ethyltoluene	0.9300	0.15	1	0	93.0	70	130				
Acetone	1.030	0.30	1	0	103	70	130				
Allyl chloride	0.9200	0.15	1	0	92.0	70	130				
Benzene	1.000	0.15	1	0	100	70	130				
Benzyl chloride	0.8800	0.15	1	0	88.0	70	130				
Bromodichloromethane	1.010	0.15	1	0	101	70	130				
Bromoform	1.000	0.15	1	0	100	70	130				
Bromomethane	1.050	0.15	1	0	105	70	130				
Carbon disulfide	0.9700	0.15	1	0	97.0	70	130				
Carbon tetrachloride	0.9700	0.15	1	0	97.0	70	130				
Chlorobenzene	0.9200	0.15	1	0	92.0	70	130				
Chloroethane	1.090	0.15	1	0	109	70	130				
Chloroform	0.9400	0.15	1	0	94.0	70	130				
Chloromethane	0.9000	0.15	1	0	90.0	70	130				
cis-1,2-Dichloroethene	0.9300	0.15	1	0	93.0	70	130				
cis-1,3-Dichloropropene	0.9300	0.15	1	0	93.0	70	130				
Cyclohexane	0.9400	0.15	1	0	94.0	70	130				
Dibromochloromethane	0.9600	0.15	1	0	96.0	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: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID **ALCS1UG-020616** SampType: **LCS** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **10642**
Client ID: **ZZZZZ** Batch ID: **R10642** TestNo: **TO-15** Analysis Date: **2/6/2016** SeqNo: **125160**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethyl acetate	0.9500	0.25	1	0	95.0	70	130				
Ethylbenzene	0.9100	0.15	1	0	91.0	70	130				
Freon 11	1.130	0.15	1	0	113	70	130				
Freon 113	1.060	0.15	1	0	106	70	130				
Freon 114	0.9900	0.15	1	0	99.0	70	130				
Freon 12	0.9600	0.15	1	0	96.0	70	130				
Heptane	0.9000	0.15	1	0	90.0	70	130				
Hexachloro-1,3-butadiene	0.9800	0.15	1	0	98.0	70	130				
Hexane	0.9000	0.15	1	0	90.0	70	130				
Isopropyl alcohol	0.9400	0.15	1	0	94.0	70	130				
m&p-Xylene	1.880	0.30	2	0	94.0	70	130				
Methyl Butyl Ketone	0.6000	0.30	1	0	60.0	70	130				S
Methyl Ethyl Ketone	1.110	0.30	1	0	111	70	130				
Methyl Isobutyl Ketone	0.8700	0.30	1	0	87.0	70	130				
Methyl tert-butyl ether	0.9100	0.15	1	0	91.0	70	130				
Methylene chloride	1.100	0.15	1	0	110	70	130				
o-Xylene	1.000	0.15	1	0	100	70	130				
Propylene	0.8700	0.15	1	0	87.0	70	130				
Styrene	0.9600	0.15	1	0	96.0	70	130				
Tetrachloroethylene	1.010	0.15	1	0	101	70	130				
Tetrahydrofuran	0.8600	0.15	1	0	86.0	70	130				
Toluene	1.010	0.15	1	0	101	70	130				
trans-1,2-Dichloroethene	0.9300	0.15	1	0	93.0	70	130				
trans-1,3-Dichloropropene	0.9300	0.15	1	0	93.0	70	130				
Trichloroethene	0.9800	0.15	1	0	98.0	70	130				
Vinyl acetate	0.7900	0.15	1	0	79.0	70	130				
Vinyl Bromide	1.080	0.15	1	0	108	70	130				
Vinyl chloride	0.9400	0.15	1	0	94.0	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: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID	ALCS1UG-020516	SampType:	LCS	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	10643
Client ID:	ZZZZZ	Batch ID:	R10643	TestNo:	TO-15			Analysis Date:	2/5/2016	SeqNo:	125181

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.9200	0.15	1	0	92.0	70	130				
1,1,2,2-Tetrachloroethane	0.8600	0.15	1	0	86.0	70	130				
1,1,2-Trichloroethane	0.8800	0.15	1	0	88.0	70	130				
1,1-Dichloroethane	0.9600	0.15	1	0	96.0	70	130				
1,1-Dichloroethene	0.9500	0.15	1	0	95.0	70	130				
1,2,4-Trichlorobenzene	0.9100	0.15	1	0	91.0	70	130				
1,2,4-Trimethylbenzene	0.9100	0.15	1	0	91.0	70	130				
1,2-Dibromoethane	0.9600	0.15	1	0	96.0	70	130				
1,2-Dichlorobenzene	0.9500	0.15	1	0	95.0	70	130				
1,2-Dichloroethane	0.8800	0.15	1	0	88.0	70	130				
1,2-Dichloropropane	0.9500	0.15	1	0	95.0	70	130				
1,3,5-Trimethylbenzene	0.8800	0.15	1	0	88.0	70	130				
1,3-butadiene	0.9300	0.15	1	0	93.0	70	130				
1,3-Dichlorobenzene	0.9600	0.15	1	0	96.0	70	130				
1,4-Dichlorobenzene	0.9500	0.15	1	0	95.0	70	130				
1,4-Dioxane	1.110	0.30	1	0	111	70	130				
2,2,4-trimethylpentane	0.9600	0.15	1	0	96.0	70	130				
4-ethyltoluene	0.8800	0.15	1	0	88.0	70	130				
Acetone	1.020	0.30	1	0	102	70	130				
Allyl chloride	1.040	0.15	1	0	104	70	130				
Benzene	0.9600	0.15	1	0	96.0	70	130				
Benzyl chloride	0.9600	0.15	1	0	96.0	70	130				
Bromodichloromethane	0.9900	0.15	1	0	99.0	70	130				
Bromoform	0.9200	0.15	1	0	92.0	70	130				
Bromomethane	1.030	0.15	1	0	103	70	130				
Carbon disulfide	0.9500	0.15	1	0	95.0	70	130				
Carbon tetrachloride	0.9300	0.15	1	0	93.0	70	130				
Chlorobenzene	0.9100	0.15	1	0	91.0	70	130				
Chloroethane	1.050	0.15	1	0	105	70	130				
Chloroform	0.9200	0.15	1	0	92.0	70	130				
Chloromethane	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: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID	ALCS1UG-020516	SampType:	LCS	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	10643
Client ID:	ZZZZZ	Batch ID:	R10643	TestNo:	TO-15			Analysis Date:	2/5/2016	SeqNo:	125181

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	0.9400	0.15	1	0	94.0	70	130				
cis-1,3-Dichloropropene	0.9300	0.15	1	0	93.0	70	130				
Cyclohexane	0.9700	0.15	1	0	97.0	70	130				
Dibromochloromethane	0.9600	0.15	1	0	96.0	70	130				
Ethyl acetate	1.030	0.25	1	0	103	70	130				
Ethylbenzene	0.9000	0.15	1	0	90.0	70	130				
Freon 11	1.020	0.15	1	0	102	70	130				
Freon 113	1.040	0.15	1	0	104	70	130				
Freon 114	0.9100	0.15	1	0	91.0	70	130				
Freon 12	0.9600	0.15	1	0	96.0	70	130				
Heptane	0.9200	0.15	1	0	92.0	70	130				
Hexachloro-1,3-butadiene	1.000	0.15	1	0	100	70	130				
Hexane	0.9400	0.15	1	0	94.0	70	130				
Isopropyl alcohol	1.000	0.15	1	0	100	70	130				
m&p-Xylene	1.810	0.30	2	0	90.5	70	130				
Methyl Butyl Ketone	1.180	0.30	1	0	118	70	130				
Methyl Ethyl Ketone	1.010	0.30	1	0	101	70	130				
Methyl Isobutyl Ketone	1.270	0.30	1	0	127	70	130				
Methyl tert-butyl ether	0.9500	0.15	1	0	95.0	70	130				
Methylene chloride	1.060	0.15	1	0	106	70	130				
o-Xylene	0.9100	0.15	1	0	91.0	70	130				
Propylene	0.9400	0.15	1	0	94.0	70	130				
Styrene	0.9000	0.15	1	0	90.0	70	130				
Tetrachloroethylene	0.9700	0.15	1	0	97.0	70	130				
Tetrahydrofuran	0.9000	0.15	1	0	90.0	70	130				
Toluene	1.060	0.15	1	0	106	70	130				
trans-1,2-Dichloroethene	0.9200	0.15	1	0	92.0	70	130				
trans-1,3-Dichloropropene	0.9700	0.15	1	0	97.0	70	130				
Trichloroethene	0.9400	0.15	1	0	94.0	70	130				
Vinyl acetate	0.8500	0.15	1	0	85.0	70	130				
Vinyl Bromide	0.9900	0.15	1	0	99.0	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: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID	ALCS1UG-020516	SampType:	LCS	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	10643
Client ID:	ZZZZZ	Batch ID:	R10643	TestNo:	TO-15			Analysis Date:	2/5/2016	SeqNo:	125181

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.9100	0.15	1	0	91.0	70	130				

Sample ID	ALCS1UG-021216	SampType:	LCS	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	10644
Client ID:	ZZZZZ	Batch ID:	R10644	TestNo:	TO-15			Analysis Date:	2/12/2016	SeqNo:	125191

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.9400	0.15	1	0	94.0	70	130				
1,1,2,2-Tetrachloroethane	1.000	0.15	1	0	100	70	130				
1,1,2-Trichloroethane	1.080	0.15	1	0	108	70	130				
1,1-Dichloroethane	0.8700	0.15	1	0	87.0	70	130				
1,1-Dichloroethene	1.200	0.15	1	0	120	70	130				
1,2,4-Trichlorobenzene	0.8400	0.15	1	0	84.0	70	130				
1,2,4-Trimethylbenzene	0.8000	0.15	1	0	80.0	70	130				
1,2-Dibromoethane	0.9600	0.15	1	0	96.0	70	130				
1,2-Dichlorobenzene	0.9300	0.15	1	0	93.0	70	130				
1,2-Dichloroethane	0.7800	0.15	1	0	78.0	70	130				
1,2-Dichloropropane	1.030	0.15	1	0	103	70	130				
1,3,5-Trimethylbenzene	0.9300	0.15	1	0	93.0	70	130				
1,3-butadiene	0.8100	0.15	1	0	81.0	70	130				
1,3-Dichlorobenzene	0.9200	0.15	1	0	92.0	70	130				
1,4-Dichlorobenzene	0.9100	0.15	1	0	91.0	70	130				
1,4-Dioxane	1.260	0.30	1	0	126	70	130				
2,2,4-trimethylpentane	0.9300	0.15	1	0	93.0	70	130				
4-ethyltoluene	0.8700	0.15	1	0	87.0	70	130				
Acetone	1.040	0.30	1	0	104	70	130				
Allyl chloride	0.8000	0.15	1	0	80.0	70	130				
Benzene	1.010	0.15	1	0	101	70	130				
Benzyl chloride	0.8200	0.15	1	0	82.0	70	130				
Bromodichloromethane	1.110	0.15	1	0	111	70	130				
Bromoform	1.170	0.15	1	0	117	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: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID	ALCS1UG-021216	SampType:	LCS	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	10644
Client ID:	ZZZZZ	Batch ID:	R10644	TestNo:	TO-15			Analysis Date:	2/12/2016	SeqNo:	125191

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	1.150	0.15	1	0	115	70	130				
Carbon disulfide	0.9200	0.15	1	0	92.0	70	130				
Carbon tetrachloride	1.050	0.15	1	0	105	70	130				
Chlorobenzene	0.9800	0.15	1	0	98.0	70	130				
Chloroethane	1.070	0.15	1	0	107	70	130				
Chloroform	0.8200	0.15	1	0	82.0	70	130				
Chloromethane	0.8700	0.15	1	0	87.0	70	130				
cis-1,2-Dichloroethene	0.7300	0.15	1	0	73.0	70	130				
cis-1,3-Dichloropropene	0.9800	0.15	1	0	98.0	70	130				
Cyclohexane	0.8700	0.15	1	0	87.0	70	130				
Dibromochloromethane	1.040	0.15	1	0	104	70	130				
Ethyl acetate	0.7900	0.25	1	0	79.0	70	130				
Ethylbenzene	0.8800	0.15	1	0	88.0	70	130				
Freon 11	1.130	0.15	1	0	113	70	130				
Freon 113	1.220	0.15	1	0	122	70	130				
Freon 114	1.030	0.15	1	0	103	70	130				
Freon 12	0.8600	0.15	1	0	86.0	70	130				
Heptane	0.7800	0.15	1	0	78.0	70	130				
Hexachloro-1,3-butadiene	0.9600	0.15	1	0	96.0	70	130				
Hexane	0.7400	0.15	1	0	74.0	70	130				
Isopropyl alcohol	0.8300	0.15	1	0	83.0	70	130				
m&p-Xylene	1.930	0.30	2	0	96.5	70	130				
Methyl Butyl Ketone	1.300	0.30	1	0	130	70	130				
Methyl Ethyl Ketone	0.9200	0.30	1	0	92.0	70	130				
Methyl Isobutyl Ketone	1.270	0.30	1	0	127	70	130				
Methyl tert-butyl ether	0.7200	0.15	1	0	72.0	70	130				
Methylene chloride	1.040	0.15	1	0	104	70	130				
o-Xylene	1.020	0.15	1	0	102	70	130				
Propylene	0.8500	0.15	1	0	85.0	70	130				
Styrene	0.9400	0.15	1	0	94.0	70	130				
Tetrachloroethylene	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: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID **ALCS1UG-021216** SampType: **LCS** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **10644**
Client ID: **ZZZZZ** Batch ID: **R10644** TestNo: **TO-15** Analysis Date: **2/12/2016** SeqNo: **125191**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrahydrofuran	0.7400	0.15	1	0	74.0	70	130				
Toluene	0.8900	0.15	1	0	89.0	70	130				
trans-1,2-Dichloroethene	0.8600	0.15	1	0	86.0	70	130				
trans-1,3-Dichloropropene	0.9100	0.15	1	0	91.0	70	130				
Trichloroethene	1.020	0.15	1	0	102	70	130				
Vinyl acetate	0.7000	0.15	1	0	70.0	70	130				
Vinyl Bromide	1.090	0.15	1	0	109	70	130				
Vinyl chloride	0.9400	0.15	1	0	94.0	70	130				

Sample ID **ALCS1UGD-020616** SampType: **LCSD** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **10642**
Client ID: **ZZZZZ** Batch ID: **R10642** TestNo: **TO-15** Analysis Date: **2/6/2016** SeqNo: **125161**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.8900	0.15	1	0	89.0	70	130	0.93	4.40	30	
1,1,2,2-Tetrachloroethane	0.8500	0.15	1	0	85.0	70	130	0.92	7.91	30	
1,1,2-Trichloroethane	0.9300	0.15	1	0	93.0	70	130	0.98	5.24	30	
1,1-Dichloroethane	0.8700	0.15	1	0	87.0	70	130	0.96	9.84	30	
1,1-Dichloroethene	0.9400	0.15	1	0	94.0	70	130	1.07	12.9	30	
1,2,4-Trichlorobenzene	0.8100	0.15	1	0	81.0	70	130	0.85	4.82	30	
1,2,4-Trimethylbenzene	0.7600	0.15	1	0	76.0	70	130	0.91	18.0	30	
1,2-Dibromoethane	0.9400	0.15	1	0	94.0	70	130	0.96	2.11	30	
1,2-Dichlorobenzene	0.8500	0.15	1	0	85.0	70	130	0.95	11.1	30	
1,2-Dichloroethane	0.8100	0.15	1	0	81.0	70	130	0.88	8.28	30	
1,2-Dichloropropane	0.9400	0.15	1	0	94.0	70	130	1	6.19	30	
1,3,5-Trimethylbenzene	0.7700	0.15	1	0	77.0	70	130	0.9	15.6	30	
1,3-butadiene	0.8400	0.15	1	0	84.0	70	130	0.94	11.2	30	
1,3-Dichlorobenzene	0.8800	0.15	1	0	88.0	70	130	0.98	10.8	30	
1,4-Dichlorobenzene	0.9000	0.15	1	0	90.0	70	130	0.96	6.45	30	
1,4-Dioxane	0.5000	0.30	1	0	50.0	70	130	1.07	72.6	30	SR
2,2,4-trimethylpentane	0.9100	0.15	1	0	91.0	70	130	0.92	1.09	30	

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: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID **ALCS1UGD-020616** SampType: **LCSD** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **10642**
Client ID: **ZZZZZ** Batch ID: **R10642** TestNo: **TO-15** Analysis Date: **2/6/2016** SeqNo: **125161**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-ethyltoluene	0.7900	0.15	1	0	79.0	70	130	0.93	16.3	30	
Acetone	0.9300	0.30	1	0	93.0	70	130	1.03	10.2	30	
Allyl chloride	0.8900	0.15	1	0	89.0	70	130	0.92	3.31	30	
Benzene	0.9500	0.15	1	0	95.0	70	130	1	5.13	30	
Benzyl chloride	0.7600	0.15	1	0	76.0	70	130	0.88	14.6	30	
Bromodichloromethane	0.9300	0.15	1	0	93.0	70	130	1.01	8.25	30	
Bromoform	0.9500	0.15	1	0	95.0	70	130	1	5.13	30	
Bromomethane	0.9800	0.15	1	0	98.0	70	130	1.05	6.90	30	
Carbon disulfide	0.9200	0.15	1	0	92.0	70	130	0.97	5.29	30	
Carbon tetrachloride	0.8900	0.15	1	0	89.0	70	130	0.97	8.60	30	
Chlorobenzene	0.9300	0.15	1	0	93.0	70	130	0.92	1.08	30	
Chloroethane	0.9400	0.15	1	0	94.0	70	130	1.09	14.8	30	
Chloroform	0.8900	0.15	1	0	89.0	70	130	0.94	5.46	30	
Chloromethane	0.8300	0.15	1	0	83.0	70	130	0.9	8.09	30	
cis-1,2-Dichloroethene	0.8500	0.15	1	0	85.0	70	130	0.93	8.99	30	
cis-1,3-Dichloropropene	0.8800	0.15	1	0	88.0	70	130	0.93	5.52	30	
Cyclohexane	0.9400	0.15	1	0	94.0	70	130	0.94	0	30	
Dibromochloromethane	0.9000	0.15	1	0	90.0	70	130	0.96	6.45	30	
Ethyl acetate	0.7400	0.25	1	0	74.0	70	130	0.95	24.9	30	
Ethylbenzene	0.8700	0.15	1	0	87.0	70	130	0.91	4.49	30	
Freon 11	0.9800	0.15	1	0	98.0	70	130	1.13	14.2	30	
Freon 113	1.010	0.15	1	0	101	70	130	1.06	4.83	30	
Freon 114	0.9500	0.15	1	0	95.0	70	130	0.99	4.12	30	
Freon 12	0.8500	0.15	1	0	85.0	70	130	0.96	12.2	30	
Heptane	0.8500	0.15	1	0	85.0	70	130	0.9	5.71	30	
Hexachloro-1,3-butadiene	0.7300	0.15	1	0	73.0	70	130	0.98	29.2	30	
Hexane	0.8400	0.15	1	0	84.0	70	130	0.9	6.90	30	
Isopropyl alcohol	0.7600	0.15	1	0	76.0	70	130	0.94	21.2	30	
m&p-Xylene	1.730	0.30	2	0	86.5	70	130	1.88	8.31	30	
Methyl Butyl Ketone	0.3800	0.30	1	0	38.0	70	130	0.6	44.9	30	SR
Methyl Ethyl Ketone	0.7900	0.30	1	0	79.0	70	130	1.11	33.7	30	R

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: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID **ALCS1UGD-020616** SampType: **LCSD** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **10642**
Client ID: **ZZZZZ** Batch ID: **R10642** TestNo: **TO-15** Analysis Date: **2/6/2016** SeqNo: **125161**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl Isobutyl Ketone	0.4700	0.30	1	0	47.0	70	130	0.87	59.7	30	SR
Methyl tert-butyl ether	0.7900	0.15	1	0	79.0	70	130	0.91	14.1	30	
Methylene chloride	1.040	0.15	1	0	104	70	130	1.1	5.61	30	
o-Xylene	0.9000	0.15	1	0	90.0	70	130	1	10.5	30	
Propylene	0.8200	0.15	1	0	82.0	70	130	0.87	5.92	30	
Styrene	0.8700	0.15	1	0	87.0	70	130	0.96	9.84	30	
Tetrachloroethylene	0.9600	0.15	1	0	96.0	70	130	1.01	5.08	30	
Tetrahydrofuran	0.7200	0.15	1	0	72.0	70	130	0.86	17.7	30	
Toluene	0.9200	0.15	1	0	92.0	70	130	1.01	9.33	30	
trans-1,2-Dichloroethene	0.8800	0.15	1	0	88.0	70	130	0.93	5.52	30	
trans-1,3-Dichloropropene	0.8600	0.15	1	0	86.0	70	130	0.93	7.82	30	
Trichloroethene	0.9500	0.15	1	0	95.0	70	130	0.98	3.11	30	
Vinyl acetate	0.7900	0.15	1	0	79.0	70	130	0.79	0	30	
Vinyl Bromide	0.9900	0.15	1	0	99.0	70	130	1.08	8.70	30	
Vinyl chloride	0.8500	0.15	1	0	85.0	70	130	0.94	10.1	30	

Sample ID **ALCS1UGD-020516** SampType: **LCSD** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **10643**
Client ID: **ZZZZZ** Batch ID: **R10643** TestNo: **TO-15** Analysis Date: **2/5/2016** SeqNo: **125182**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.9400	0.15	1	0	94.0	70	130	0.92	2.15	30	
1,1,2,2-Tetrachloroethane	0.9800	0.15	1	0	98.0	70	130	0.86	13.0	30	
1,1,2-Trichloroethane	0.9400	0.15	1	0	94.0	70	130	0.88	6.59	30	
1,1-Dichloroethane	0.9800	0.15	1	0	98.0	70	130	0.96	2.06	30	
1,1-Dichloroethene	1.060	0.15	1	0	106	70	130	0.95	10.9	30	
1,2,4-Trichlorobenzene	0.8000	0.15	1	0	80.0	70	130	0.91	12.9	30	
1,2,4-Trimethylbenzene	0.9500	0.15	1	0	95.0	70	130	0.91	4.30	30	
1,2-Dibromoethane	0.9800	0.15	1	0	98.0	70	130	0.96	2.06	30	
1,2-Dichlorobenzene	1.000	0.15	1	0	100	70	130	0.95	5.13	30	
1,2-Dichloroethane	0.8800	0.15	1	0	88.0	70	130	0.88	0	30	

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: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID **ALCS1UGD-020516** SampType: **LCSD** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **10643**
Client ID: **ZZZZZ** Batch ID: **R10643** TestNo: **TO-15** Analysis Date: **2/5/2016** SeqNo: **125182**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	0.9900	0.15	1	0	99.0	70	130	0.95	4.12	30	
1,3,5-Trimethylbenzene	0.9500	0.15	1	0	95.0	70	130	0.88	7.65	30	
1,3-butadiene	1.000	0.15	1	0	100	70	130	0.93	7.25	30	
1,3-Dichlorobenzene	1.020	0.15	1	0	102	70	130	0.96	6.06	30	
1,4-Dichlorobenzene	1.010	0.15	1	0	101	70	130	0.95	6.12	30	
1,4-Dioxane	0.9200	0.30	1	0	92.0	70	130	1.11	18.7	30	
2,2,4-trimethylpentane	0.9700	0.15	1	0	97.0	70	130	0.96	1.04	30	
4-ethyltoluene	0.9700	0.15	1	0	97.0	70	130	0.88	9.73	30	
Acetone	1.010	0.30	1	0	101	70	130	1.02	0.985	30	
Allyl chloride	1.090	0.15	1	0	109	70	130	1.04	4.69	30	
Benzene	0.9800	0.15	1	0	98.0	70	130	0.96	2.06	30	
Benzyl chloride	1.000	0.15	1	0	100	70	130	0.96	4.08	30	
Bromodichloromethane	1.000	0.15	1	0	100	70	130	0.99	1.01	30	
Bromoform	1.030	0.15	1	0	103	70	130	0.92	11.3	30	
Bromomethane	1.050	0.15	1	0	105	70	130	1.03	1.92	30	
Carbon disulfide	0.9800	0.15	1	0	98.0	70	130	0.95	3.11	30	
Carbon tetrachloride	0.9700	0.15	1	0	97.0	70	130	0.93	4.21	30	
Chlorobenzene	0.9400	0.15	1	0	94.0	70	130	0.91	3.24	30	
Chloroethane	1.090	0.15	1	0	109	70	130	1.05	3.74	30	
Chloroform	0.9500	0.15	1	0	95.0	70	130	0.92	3.21	30	
Chloromethane	0.9100	0.15	1	0	91.0	70	130	0.83	9.20	30	
cis-1,2-Dichloroethene	0.9700	0.15	1	0	97.0	70	130	0.94	3.14	30	
cis-1,3-Dichloropropene	0.9400	0.15	1	0	94.0	70	130	0.93	1.07	30	
Cyclohexane	0.9700	0.15	1	0	97.0	70	130	0.97	0	30	
Dibromochloromethane	1.030	0.15	1	0	103	70	130	0.96	7.04	30	
Ethyl acetate	1.000	0.25	1	0	100	70	130	1.03	2.96	30	
Ethylbenzene	0.9700	0.15	1	0	97.0	70	130	0.9	7.49	30	
Freon 11	1.130	0.15	1	0	113	70	130	1.02	10.2	30	
Freon 113	1.250	0.15	1	0	125	70	130	1.04	18.3	30	
Freon 114	1.000	0.15	1	0	100	70	130	0.91	9.42	30	
Freon 12	0.9900	0.15	1	0	99.0	70	130	0.96	3.08	30	

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: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID **ALCS1UGD-020516** SampType: **LCSD** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **10643**
Client ID: **ZZZZZ** Batch ID: **R10643** TestNo: **TO-15** Analysis Date: **2/5/2016** SeqNo: **125182**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heptane	0.9100	0.15	1	0	91.0	70	130	0.92	1.09	30	
Hexachloro-1,3-butadiene	1.010	0.15	1	0	101	70	130	1	0.995	30	
Hexane	0.9200	0.15	1	0	92.0	70	130	0.94	2.15	30	
Isopropyl alcohol	0.9800	0.15	1	0	98.0	70	130	1	2.02	30	
m&p-Xylene	2.030	0.30	2	0	102	70	130	1.81	11.5	30	
Methyl Butyl Ketone	1.030	0.30	1	0	103	70	130	1.18	13.6	30	
Methyl Ethyl Ketone	1.030	0.30	1	0	103	70	130	1.01	1.96	30	
Methyl Isobutyl Ketone	1.110	0.30	1	0	111	70	130	1.27	13.4	30	
Methyl tert-butyl ether	0.9200	0.15	1	0	92.0	70	130	0.95	3.21	30	
Methylene chloride	1.100	0.15	1	0	110	70	130	1.06	3.70	30	
o-Xylene	1.040	0.15	1	0	104	70	130	0.91	13.3	30	
Propylene	0.9700	0.15	1	0	97.0	70	130	0.94	3.14	30	
Styrene	0.9700	0.15	1	0	97.0	70	130	0.9	7.49	30	
Tetrachloroethylene	1.000	0.15	1	0	100	70	130	0.97	3.05	30	
Tetrahydrofuran	0.9500	0.15	1	0	95.0	70	130	0.9	5.41	30	
Toluene	1.010	0.15	1	0	101	70	130	1.06	4.83	30	
trans-1,2-Dichloroethene	0.9500	0.15	1	0	95.0	70	130	0.92	3.21	30	
trans-1,3-Dichloropropene	0.9500	0.15	1	0	95.0	70	130	0.97	2.08	30	
Trichloroethene	0.9500	0.15	1	0	95.0	70	130	0.94	1.06	30	
Vinyl acetate	0.8300	0.15	1	0	83.0	70	130	0.85	2.38	30	
Vinyl Bromide	1.080	0.15	1	0	108	70	130	0.99	8.70	30	
Vinyl chloride	0.9700	0.15	1	0	97.0	70	130	0.91	6.38	30	

Sample ID **ALCS1UGD-021216** SampType: **LCSD** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **10644**
Client ID: **ZZZZZ** Batch ID: **R10644** TestNo: **TO-15** Analysis Date: **2/13/2016** SeqNo: **125192**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.000	0.15	1	0	100	70	130	0.94	6.19	30	
1,1,2,2-Tetrachloroethane	1.000	0.15	1	0	100	70	130	1	0	30	
1,1,2-Trichloroethane	1.100	0.15	1	0	110	70	130	1.08	1.83	30	

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: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID **ALCS1UGD-021216** SampType: **LCSD** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **10644**
Client ID: **ZZZZZ** Batch ID: **R10644** TestNo: **TO-15** Analysis Date: **2/13/2016** SeqNo: **125192**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	0.9000	0.15	1	0	90.0	70	130	0.87	3.39	30	
1,1-Dichloroethene	1.150	0.15	1	0	115	70	130	1.2	4.26	30	
1,2,4-Trichlorobenzene	0.5800	0.15	1	0	58.0	70	130	0.84	36.6	30	SR
1,2,4-Trimethylbenzene	0.7100	0.15	1	0	71.0	70	130	0.8	11.9	30	
1,2-Dibromoethane	1.010	0.15	1	0	101	70	130	0.96	5.08	30	
1,2-Dichlorobenzene	0.9200	0.15	1	0	92.0	70	130	0.93	1.08	30	
1,2-Dichloroethane	0.7100	0.15	1	0	71.0	70	130	0.78	9.40	30	
1,2-Dichloropropane	1.060	0.15	1	0	106	70	130	1.03	2.87	30	
1,3,5-Trimethylbenzene	0.8600	0.15	1	0	86.0	70	130	0.93	7.82	30	
1,3-butadiene	0.8600	0.15	1	0	86.0	70	130	0.81	5.99	30	
1,3-Dichlorobenzene	0.9400	0.15	1	0	94.0	70	130	0.92	2.15	30	
1,4-Dichlorobenzene	0.8900	0.15	1	0	89.0	70	130	0.91	2.22	30	
1,4-Dioxane	0.2200	0.30	1	0	22.0	70	130	1.26	0	30	JS
2,2,4-trimethylpentane	0.9500	0.15	1	0	95.0	70	130	0.93	2.13	30	
4-ethyltoluene	0.8100	0.15	1	0	81.0	70	130	0.87	7.14	30	
Acetone	0.8900	0.30	1	0	89.0	70	130	1.04	15.5	30	
Allyl chloride	0.8400	0.15	1	0	84.0	70	130	0.8	4.88	30	
Benzene	1.030	0.15	1	0	103	70	130	1.01	1.96	30	
Benzyl chloride	0.8000	0.15	1	0	80.0	70	130	0.82	2.47	30	
Bromodichloromethane	1.120	0.15	1	0	112	70	130	1.11	0.897	30	
Bromoform	1.180	0.15	1	0	118	70	130	1.17	0.851	30	
Bromomethane	1.230	0.15	1	0	123	70	130	1.15	6.72	30	
Carbon disulfide	0.9600	0.15	1	0	96.0	70	130	0.92	4.26	30	
Carbon tetrachloride	1.080	0.15	1	0	108	70	130	1.05	2.82	30	
Chlorobenzene	0.9800	0.15	1	0	98.0	70	130	0.98	0	30	
Chloroethane	1.090	0.15	1	0	109	70	130	1.07	1.85	30	
Chloroform	0.8600	0.15	1	0	86.0	70	130	0.82	4.76	30	
Chloromethane	0.9100	0.15	1	0	91.0	70	130	0.87	4.49	30	
cis-1,2-Dichloroethene	0.7500	0.15	1	0	75.0	70	130	0.73	2.70	30	
cis-1,3-Dichloropropene	0.9200	0.15	1	0	92.0	70	130	0.98	6.32	30	
Cyclohexane	0.9000	0.15	1	0	90.0	70	130	0.87	3.39	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: C1602017
Project: Queens Boulevard

TestCode: 1ugM3_TO15

Sample ID **ALCS1UGD-021216** SampType: **LCSD** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **10644**
Client ID: **ZZZZZ** Batch ID: **R10644** TestNo: **TO-15** Analysis Date: **2/13/2016** SeqNo: **125192**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	1.110	0.15	1	0	111	70	130	1.04	6.51	30	
Ethyl acetate	0.7700	0.25	1	0	77.0	70	130	0.79	2.56	30	
Ethylbenzene	0.8500	0.15	1	0	85.0	70	130	0.88	3.47	30	
Freon 11	1.150	0.15	1	0	115	70	130	1.13	1.75	30	
Freon 113	1.270	0.15	1	0	127	70	130	1.22	4.02	30	
Freon 114	1.110	0.15	1	0	111	70	130	1.03	7.48	30	
Freon 12	0.8900	0.15	1	0	89.0	70	130	0.86	3.43	30	
Heptane	0.7700	0.15	1	0	77.0	70	130	0.78	1.29	30	
Hexachloro-1,3-butadiene	0.8000	0.15	1	0	80.0	70	130	0.96	18.2	30	
Hexane	0.7200	0.15	1	0	72.0	70	130	0.74	2.74	30	
Isopropyl alcohol	0.7300	0.15	1	0	73.0	70	130	0.83	12.8	30	
m&p-Xylene	1.830	0.30	2	0	91.5	70	130	1.93	5.32	30	
Methyl Butyl Ketone	0.1500	0.30	1	0	15.0	70	130	1.3	0	30	JS
Methyl Ethyl Ketone	0.7600	0.30	1	0	76.0	70	130	0.92	19.0	30	
Methyl Isobutyl Ketone	0.2000	0.30	1	0	20.0	70	130	1.27	0	30	JS
Methyl tert-butyl ether	0.7000	0.15	1	0	70.0	70	130	0.72	2.82	30	
Methylene chloride	1.060	0.15	1	0	106	70	130	1.04	1.90	30	
o-Xylene	1.020	0.15	1	0	102	70	130	1.02	0	30	
Propylene	0.8700	0.15	1	0	87.0	70	130	0.85	2.33	30	
Styrene	0.9100	0.15	1	0	91.0	70	130	0.94	3.24	30	
Tetrachloroethylene	1.060	0.15	1	0	106	70	130	1.01	4.83	30	
Tetrahydrofuran	0.7400	0.15	1	0	74.0	70	130	0.74	0	30	
Toluene	0.9300	0.15	1	0	93.0	70	130	0.89	4.40	30	
trans-1,2-Dichloroethene	0.7800	0.15	1	0	78.0	70	130	0.86	9.76	30	
trans-1,3-Dichloropropene	0.8900	0.15	1	0	89.0	70	130	0.91	2.22	30	
Trichloroethene	1.070	0.15	1	0	107	70	130	1.02	4.78	30	
Vinyl acetate	0.7000	0.15	1	0	70.0	70	130	0.7	0	30	
Vinyl Bromide	1.150	0.15	1	0	115	70	130	1.09	5.36	30	
Vinyl chloride	1.000	0.15	1	0	100	70	130	0.94	6.19	30	

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

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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-1
Lab Order:	C1602017	**Tag Number:**	106.441
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Lab Vacuum In	-4			"Hg		2/5/2016
Lab Vacuum Out	-30			"Hg		2/5/2016
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
1,1-Dichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
1,2,4-Trimethylbenzene	1.8	0.15		ppbV	1	2/6/2016 11:36:00 AM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
1,3,5-Trimethylbenzene	0.62	0.15		ppbV	1	2/6/2016 11:36:00 AM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/6/2016 11:36:00 AM
2,2,4-trimethylpentane	1.4	0.15		ppbV	1	2/6/2016 11:36:00 AM
4-ethyltoluene	0.72	0.15		ppbV	1	2/6/2016 11:36:00 AM
Acetone	< 0.30	0.30		ppbV	1	2/6/2016 11:36:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Benzene	1.6	0.15		ppbV	1	2/6/2016 11:36:00 AM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Bromoform	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Bromomethane	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Carbon disulfide	0.33	0.15		ppbV	1	2/6/2016 11:36:00 AM
Carbon tetrachloride	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Chloroethane	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Chloroform	0.33	0.15		ppbV	1	2/6/2016 11:36:00 AM
Chloromethane	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
cis-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Cyclohexane	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Ethyl acetate	< 0.25	0.25		ppbV	1	2/6/2016 11:36:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-1
Lab Order:	C1602017	**Tag Number:**	106.441
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethylbenzene	1.5	0.15		ppbV	1	2/6/2016 11:36:00 AM
Freon 11	0.33	0.15		ppbV	1	2/6/2016 11:36:00 AM
Freon 113	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Freon 114	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Freon 12	0.59	0.15		ppbV	1	2/6/2016 11:36:00 AM
Heptane	4.6	1.5		ppbV	10	2/6/2016 2:01:00 AM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Hexane	3.3	1.5		ppbV	10	2/6/2016 2:01:00 AM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
m&p-Xylene	6.5	3.0		ppbV	10	2/6/2016 2:01:00 AM
Methyl Butyl Ketone	17	3.0		ppbV	10	2/6/2016 2:01:00 AM
Methyl Ethyl Ketone	380	81		ppbV	270	2/12/2016 5:11:00 PM
Methyl Isobutyl Ketone	0.99	0.30		ppbV	1	2/6/2016 11:36:00 AM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Methylene chloride	1.3	0.15		ppbV	1	2/6/2016 11:36:00 AM
o-Xylene	1.3	0.15		ppbV	1	2/6/2016 11:36:00 AM
Propylene	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Styrene	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Tetrachloroethylene	0.28	0.15		ppbV	1	2/6/2016 11:36:00 AM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Toluene	9.7	1.5		ppbV	10	2/6/2016 2:01:00 AM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Trichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Vinyl chloride	< 0.15	0.15		ppbV	1	2/6/2016 11:36:00 AM
Surr: Bromofluorobenzene	113	70-130		%REC	1	2/6/2016 11:36:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-2
Lab Order:	C1602017	**Tag Number:**	94.385
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Lab Vacuum In	-4			"Hg		2/5/2016
Lab Vacuum Out	-30			"Hg		2/5/2016
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
1,1-Dichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
1,2,4-Trimethylbenzene	1.6	0.15		ppbV	1	2/6/2016 12:52:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
1,3,5-Trimethylbenzene	0.63	0.15		ppbV	1	2/6/2016 12:52:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/6/2016 12:52:00 PM
2,2,4-trimethylpentane	1.6	0.15		ppbV	1	2/6/2016 12:52:00 PM
4-ethyltoluene	0.81	0.15		ppbV	1	2/6/2016 12:52:00 PM
Acetone	< 0.30	0.30		ppbV	1	2/6/2016 12:52:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Benzene	3.4	1.5		ppbV	10	2/6/2016 2:38:00 AM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Carbon disulfide	0.13	0.15	J	ppbV	1	2/6/2016 12:52:00 PM
Carbon tetrachloride	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Chloroform	0.21	0.15		ppbV	1	2/6/2016 12:52:00 PM
Chloromethane	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
cis-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Ethyl acetate	< 0.25	0.25		ppbV	1	2/6/2016 12:52:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-2
Lab Order:	C1602017	**Tag Number:**	94.385
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethylbenzene	3.2	1.5		ppbV	10	2/6/2016 2:38:00 AM
Freon 11	0.70	0.15		ppbV	1	2/6/2016 12:52:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Freon 12	3.0	1.5		ppbV	10	2/6/2016 2:38:00 AM
Heptane	7.8	1.5		ppbV	10	2/6/2016 2:38:00 AM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Hexane	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
m&p-Xylene	10	3.0		ppbV	10	2/6/2016 2:38:00 AM
Methyl Butyl Ketone	42	3.0		ppbV	10	2/6/2016 2:38:00 AM
Methyl Ethyl Ketone	730	160		ppbV	540	2/12/2016 5:48:00 PM
Methyl Isobutyl Ketone	1.2	0.30		ppbV	1	2/6/2016 12:52:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Methylene chloride	2.2	0.15		ppbV	1	2/6/2016 12:52:00 PM
o-Xylene	2.0	0.15		ppbV	1	2/6/2016 12:52:00 PM
Propylene	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Styrene	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Tetrachloroethylene	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Toluene	22	1.5		ppbV	10	2/6/2016 2:38:00 AM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Trichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Vinyl chloride	< 0.15	0.15		ppbV	1	2/6/2016 12:52:00 PM
Surr: Bromofluorobenzene	136	70-130	S	%REC	1	2/6/2016 12:52:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-3
Lab Order:	C1602017	**Tag Number:**	128.437
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Lab Vacuum In	-4			"Hg		2/5/2016
Lab Vacuum Out	-30			"Hg		2/5/2016
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
1,1-Dichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
1,2,4-Trimethylbenzene	1.2	0.15		ppbV	1	2/6/2016 2:45:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
1,3,5-Trimethylbenzene	0.48	0.15		ppbV	1	2/6/2016 2:45:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/6/2016 2:45:00 PM
2,2,4-trimethylpentane	0.72	0.15		ppbV	1	2/6/2016 2:45:00 PM
4-ethyltoluene	0.55	0.15		ppbV	1	2/6/2016 2:45:00 PM
Acetone	< 0.30	0.30		ppbV	1	2/6/2016 2:45:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Benzene	1.3	0.15		ppbV	1	2/6/2016 2:45:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Carbon disulfide	0.13	0.15	J	ppbV	1	2/6/2016 2:45:00 PM
Carbon tetrachloride	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Chloroform	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Chloromethane	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
cis-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Ethyl acetate	< 0.25	0.25		ppbV	1	2/6/2016 2:45:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-3
Lab Order:	C1602017	**Tag Number:**	128.437
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethylbenzene	1.4	0.15		ppbV	1	2/6/2016 2:45:00 PM
Freon 11	0.95	0.15		ppbV	1	2/6/2016 2:45:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Freon 12	0.69	0.15		ppbV	1	2/6/2016 2:45:00 PM
Heptane	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Hexane	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
m&p-Xylene	6.7	3.0		ppbV	10	2/6/2016 3:14:00 AM
Methyl Butyl Ketone	20	3.0		ppbV	10	2/6/2016 3:14:00 AM
Methyl Ethyl Ketone	450	81		ppbV	270	2/12/2016 6:25:00 PM
Methyl Isobutyl Ketone	0.77	0.30		ppbV	1	2/6/2016 2:45:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Methylene chloride	1.0	0.15		ppbV	1	2/6/2016 2:45:00 PM
o-Xylene	1.1	0.15		ppbV	1	2/6/2016 2:45:00 PM
Propylene	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Styrene	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Tetrachloroethylene	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Toluene	10	1.5		ppbV	10	2/6/2016 3:14:00 AM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Trichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Vinyl chloride	< 0.15	0.15		ppbV	1	2/6/2016 2:45:00 PM
Surr: Bromofluorobenzene	116	70-130		%REC	1	2/6/2016 2:45:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-4
Lab Order:	C1602017	**Tag Number:**	239.454
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-004A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Lab Vacuum In	-4			"Hg		2/5/2016
Lab Vacuum Out	-30			"Hg		2/5/2016
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
1,1-Dichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
1,2,4-Trimethylbenzene	2.7	1.5		ppbV	10	2/6/2016 3:51:00 AM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
1,3,5-Trimethylbenzene	1.2	0.15		ppbV	1	2/6/2016 4:00:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/6/2016 4:00:00 PM
2,2,4-trimethylpentane	0.60	0.15		ppbV	1	2/6/2016 4:00:00 PM
4-ethyltoluene	1.4	0.15		ppbV	1	2/6/2016 4:00:00 PM
Acetone	< 0.30	0.30		ppbV	1	2/6/2016 4:00:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Benzene	1.5	0.15		ppbV	1	2/6/2016 4:00:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Carbon disulfide	0.18	0.15		ppbV	1	2/6/2016 4:00:00 PM
Carbon tetrachloride	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Chloroform	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Chloromethane	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
cis-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Ethyl acetate	< 0.25	0.25		ppbV	1	2/6/2016 4:00:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-4
Lab Order:	C1602017	**Tag Number:**	239.454
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-004A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethylbenzene	2.7	1.5		ppbV	10	2/6/2016 3:51:00 AM
Freon 11	0.36	0.15		ppbV	1	2/6/2016 4:00:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Freon 12	5.5	1.5		ppbV	10	2/6/2016 3:51:00 AM
Heptane	2.9	1.5		ppbV	10	2/6/2016 3:51:00 AM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Hexane	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
m&p-Xylene	9.6	3.0		ppbV	10	2/6/2016 3:51:00 AM
Methyl Butyl Ketone	13	3.0		ppbV	10	2/6/2016 3:51:00 AM
Methyl Ethyl Ketone	220	81		ppbV	270	2/12/2016 7:01:00 PM
Methyl Isobutyl Ketone	0.57	0.30		ppbV	1	2/6/2016 4:00:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Methylene chloride	0.87	0.15		ppbV	1	2/6/2016 4:00:00 PM
o-Xylene	2.3	1.5		ppbV	10	2/6/2016 3:51:00 AM
Propylene	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Styrene	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Tetrachloroethylene	0.19	0.15		ppbV	1	2/6/2016 4:00:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Toluene	14	1.5		ppbV	10	2/6/2016 3:51:00 AM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Trichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Vinyl chloride	< 0.15	0.15		ppbV	1	2/6/2016 4:00:00 PM
Surr: Bromofluorobenzene	126	70-130		%REC	1	2/6/2016 4:00:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-5
Lab Order:	C1602017	**Tag Number:**	318.432
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-005A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Lab Vacuum In	-4			"Hg		2/5/2016
Lab Vacuum Out	-30			"Hg		2/5/2016
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
1,1-Dichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
1,2,4-Trimethylbenzene	0.88	0.15		ppbV	1	2/6/2016 5:15:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
1,3,5-Trimethylbenzene	0.40	0.15		ppbV	1	2/6/2016 5:15:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/6/2016 5:15:00 PM
2,2,4-trimethylpentane	0.85	0.15		ppbV	1	2/6/2016 5:15:00 PM
4-ethyltoluene	0.46	0.15		ppbV	1	2/6/2016 5:15:00 PM
Acetone	< 0.30	0.30		ppbV	1	2/6/2016 5:15:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Benzene	2.9	1.5		ppbV	10	2/6/2016 4:28:00 AM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Carbon disulfide	0.45	0.15		ppbV	1	2/6/2016 5:15:00 PM
Carbon tetrachloride	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Chloroform	0.26	0.15		ppbV	1	2/6/2016 5:15:00 PM
Chloromethane	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
cis-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Ethyl acetate	< 0.25	0.25		ppbV	1	2/6/2016 5:15:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-5
Lab Order:	C1602017	**Tag Number:**	318.432
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-005A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethylbenzene	1.6	0.15		ppbV	1	2/6/2016 5:15:00 PM
Freon 11	320	40		ppbV	270	2/12/2016 7:38:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Freon 12	2.0	0.15		ppbV	1	2/6/2016 5:15:00 PM
Heptane	3.0	1.5		ppbV	10	2/6/2016 4:28:00 AM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Hexane	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
m&p-Xylene	6.8	3.0		ppbV	10	2/6/2016 4:28:00 AM
Methyl Butyl Ketone	20	3.0		ppbV	10	2/6/2016 4:28:00 AM
Methyl Ethyl Ketone	280	81		ppbV	270	2/12/2016 7:38:00 PM
Methyl Isobutyl Ketone	0.73	0.30		ppbV	1	2/6/2016 5:15:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Methylene chloride	0.96	0.15		ppbV	1	2/6/2016 5:15:00 PM
o-Xylene	1.2	0.15		ppbV	1	2/6/2016 5:15:00 PM
Propylene	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Styrene	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Tetrachloroethylene	0.29	0.15		ppbV	1	2/6/2016 5:15:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Toluene	12	1.5		ppbV	10	2/6/2016 4:28:00 AM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Trichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Vinyl chloride	< 0.15	0.15		ppbV	1	2/6/2016 5:15:00 PM
Surr: Bromofluorobenzene	100	70-130		%REC	1	2/6/2016 5:15:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	Trip Blank
Lab Order:	C1602017	**Tag Number:**	88
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-006A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Lab Vacuum In	+30			"Hg		2/5/2016
Lab Vacuum Out	+30			"Hg		2/5/2016
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
1,1-Dichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
1,2,4-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/6/2016 1:25:00 AM
2,2,4-trimethylpentane	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
4-ethyltoluene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Acetone	< 0.30	0.30		ppbV	1	2/6/2016 1:25:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Benzene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Bromoform	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Bromomethane	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Carbon disulfide	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Carbon tetrachloride	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Chloroethane	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Chloroform	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Chloromethane	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
cis-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Cyclohexane	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Ethyl acetate	< 0.25	0.25		ppbV	1	2/6/2016 1:25:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	Trip Blank
Lab Order:	C1602017	**Tag Number:**	88
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-006A	**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	2/6/2016 1:25:00 AM
Freon 11	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Freon 113	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Freon 114	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Freon 12	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Heptane	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Hexane	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
m&p-Xylene	< 0.30	0.30		ppbV	1	2/6/2016 1:25:00 AM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/6/2016 1:25:00 AM
Methyl Ethyl Ketone	< 0.30	0.30		ppbV	1	2/6/2016 1:25:00 AM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/6/2016 1:25:00 AM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Methylene chloride	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
o-Xylene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Propylene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Styrene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Tetrachloroethylene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Toluene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Trichloroethene	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Vinyl chloride	< 0.15	0.15		ppbV	1	2/6/2016 1:25:00 AM
Surr: Bromofluorobenzene	79.0	70-130		%REC	1	2/6/2016 1:25:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-1
Lab Order:	C1602017	**Tag Number:**	106.441
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-001A	**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	2/6/2016 11:36:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/6/2016 11:36:00 AM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/6/2016 11:36:00 AM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/6/2016 11:36:00 AM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	2/6/2016 11:36:00 AM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/6/2016 11:36:00 AM
1,2,4-Trimethylbenzene	9.0	0.74		ug/m3	1	2/6/2016 11:36:00 AM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/6/2016 11:36:00 AM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/6/2016 11:36:00 AM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/6/2016 11:36:00 AM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/6/2016 11:36:00 AM
1,3,5-Trimethylbenzene	3.0	0.74		ug/m3	1	2/6/2016 11:36:00 AM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/6/2016 11:36:00 AM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/6/2016 11:36:00 AM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/6/2016 11:36:00 AM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/6/2016 11:36:00 AM
2,2,4-trimethylpentane	6.6	0.70		ug/m3	1	2/6/2016 11:36:00 AM
4-ethyltoluene	3.5	0.74		ug/m3	1	2/6/2016 11:36:00 AM
Acetone	< 0.71	0.71		ug/m3	1	2/6/2016 11:36:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/6/2016 11:36:00 AM
Benzene	5.0	0.48		ug/m3	1	2/6/2016 11:36:00 AM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/6/2016 11:36:00 AM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/6/2016 11:36:00 AM
Bromoform	< 1.6	1.6		ug/m3	1	2/6/2016 11:36:00 AM
Bromomethane	< 0.58	0.58		ug/m3	1	2/6/2016 11:36:00 AM
Carbon disulfide	1.0	0.47		ug/m3	1	2/6/2016 11:36:00 AM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	2/6/2016 11:36:00 AM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/6/2016 11:36:00 AM
Chloroethane	< 0.40	0.40		ug/m3	1	2/6/2016 11:36:00 AM
Chloroform	1.6	0.73		ug/m3	1	2/6/2016 11:36:00 AM
Chloromethane	< 0.31	0.31		ug/m3	1	2/6/2016 11:36:00 AM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/6/2016 11:36:00 AM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/6/2016 11:36:00 AM
Cyclohexane	< 0.52	0.52		ug/m3	1	2/6/2016 11:36:00 AM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/6/2016 11:36:00 AM
Ethyl acetate	< 0.90	0.90		ug/m3	1	2/6/2016 11:36:00 AM
Ethylbenzene	6.6	0.65		ug/m3	1	2/6/2016 11:36:00 AM
Freon 11	1.9	0.84		ug/m3	1	2/6/2016 11:36:00 AM
Freon 113	< 1.1	1.1		ug/m3	1	2/6/2016 11:36:00 AM
Freon 114	< 1.0	1.0		ug/m3	1	2/6/2016 11:36:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-1
Lab Order:	C1602017	**Tag Number:**	106.441
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	2.9	0.74		ug/m3	1	2/6/2016 11:36:00 AM
Heptane	19	6.1		ug/m3	10	2/6/2016 2:01:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/6/2016 11:36:00 AM
Hexane	12	5.3		ug/m3	10	2/6/2016 2:01:00 AM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	2/6/2016 11:36:00 AM
m&p-Xylene	28	13		ug/m3	10	2/6/2016 2:01:00 AM
Methyl Butyl Ketone	68	12		ug/m3	10	2/6/2016 2:01:00 AM
Methyl Ethyl Ketone	1100	240		ug/m3	270	2/12/2016 5:11:00 PM
Methyl Isobutyl Ketone	4.1	1.2		ug/m3	1	2/6/2016 11:36:00 AM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/6/2016 11:36:00 AM
Methylene chloride	4.4	0.52		ug/m3	1	2/6/2016 11:36:00 AM
o-Xylene	5.8	0.65		ug/m3	1	2/6/2016 11:36:00 AM
Propylene	< 0.26	0.26		ug/m3	1	2/6/2016 11:36:00 AM
Styrene	< 0.64	0.64		ug/m3	1	2/6/2016 11:36:00 AM
Tetrachloroethylene	1.9	1.0		ug/m3	1	2/6/2016 11:36:00 AM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/6/2016 11:36:00 AM
Toluene	37	5.7		ug/m3	10	2/6/2016 2:01:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/6/2016 11:36:00 AM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/6/2016 11:36:00 AM
Trichloroethene	< 0.81	0.81		ug/m3	1	2/6/2016 11:36:00 AM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/6/2016 11:36:00 AM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/6/2016 11:36:00 AM
Vinyl chloride	< 0.38	0.38		ug/m3	1	2/6/2016 11:36:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-2
Lab Order:	C1602017	**Tag Number:**	94.385
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-002A	**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	2/6/2016 12:52:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/6/2016 12:52:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/6/2016 12:52:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/6/2016 12:52:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	2/6/2016 12:52:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/6/2016 12:52:00 PM
1,2,4-Trimethylbenzene	7.7	0.74		ug/m3	1	2/6/2016 12:52:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/6/2016 12:52:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/6/2016 12:52:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/6/2016 12:52:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/6/2016 12:52:00 PM
1,3,5-Trimethylbenzene	3.1	0.74		ug/m3	1	2/6/2016 12:52:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/6/2016 12:52:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/6/2016 12:52:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/6/2016 12:52:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/6/2016 12:52:00 PM
2,2,4-trimethylpentane	7.3	0.70		ug/m3	1	2/6/2016 12:52:00 PM
4-ethyltoluene	4.0	0.74		ug/m3	1	2/6/2016 12:52:00 PM
Acetone	< 0.71	0.71		ug/m3	1	2/6/2016 12:52:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/6/2016 12:52:00 PM
Benzene	11	4.8		ug/m3	10	2/6/2016 2:38:00 AM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/6/2016 12:52:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/6/2016 12:52:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/6/2016 12:52:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/6/2016 12:52:00 PM
Carbon disulfide	0.40	0.47	J	ug/m3	1	2/6/2016 12:52:00 PM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	2/6/2016 12:52:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/6/2016 12:52:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/6/2016 12:52:00 PM
Chloroform	1.0	0.73		ug/m3	1	2/6/2016 12:52:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	2/6/2016 12:52:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/6/2016 12:52:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/6/2016 12:52:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	2/6/2016 12:52:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/6/2016 12:52:00 PM
Ethyl acetate	< 0.90	0.90		ug/m3	1	2/6/2016 12:52:00 PM
Ethylbenzene	14	6.5		ug/m3	10	2/6/2016 2:38:00 AM
Freon 11	3.9	0.84		ug/m3	1	2/6/2016 12:52:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/6/2016 12:52:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/6/2016 12:52:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-2
Lab Order:	C1602017	**Tag Number:**	94.385
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	15	7.4		ug/m3	10	2/6/2016 2:38:00 AM
Heptane	32	6.1		ug/m3	10	2/6/2016 2:38:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/6/2016 12:52:00 PM
Hexane	< 0.53	0.53		ug/m3	1	2/6/2016 12:52:00 PM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	2/6/2016 12:52:00 PM
m&p-Xylene	43	13		ug/m3	10	2/6/2016 2:38:00 AM
Methyl Butyl Ketone	170	12		ug/m3	10	2/6/2016 2:38:00 AM
Methyl Ethyl Ketone	2200	470		ug/m3	540	2/12/2016 5:48:00 PM
Methyl Isobutyl Ketone	5.0	1.2		ug/m3	1	2/6/2016 12:52:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/6/2016 12:52:00 PM
Methylene chloride	7.6	0.52		ug/m3	1	2/6/2016 12:52:00 PM
o-Xylene	8.6	0.65		ug/m3	1	2/6/2016 12:52:00 PM
Propylene	< 0.26	0.26		ug/m3	1	2/6/2016 12:52:00 PM
Styrene	< 0.64	0.64		ug/m3	1	2/6/2016 12:52:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	2/6/2016 12:52:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/6/2016 12:52:00 PM
Toluene	82	5.7		ug/m3	10	2/6/2016 2:38:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/6/2016 12:52:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/6/2016 12:52:00 PM
Trichloroethene	< 0.81	0.81		ug/m3	1	2/6/2016 12:52:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/6/2016 12:52:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/6/2016 12:52:00 PM
Vinyl chloride	< 0.38	0.38		ug/m3	1	2/6/2016 12:52:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-3
Lab Order:	C1602017	**Tag Number:**	128.437
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-003A	**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	2/6/2016 2:45:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/6/2016 2:45:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/6/2016 2:45:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/6/2016 2:45:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	2/6/2016 2:45:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/6/2016 2:45:00 PM
1,2,4-Trimethylbenzene	6.1	0.74		ug/m3	1	2/6/2016 2:45:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/6/2016 2:45:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/6/2016 2:45:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/6/2016 2:45:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/6/2016 2:45:00 PM
1,3,5-Trimethylbenzene	2.4	0.74		ug/m3	1	2/6/2016 2:45:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/6/2016 2:45:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/6/2016 2:45:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/6/2016 2:45:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/6/2016 2:45:00 PM
2,2,4-trimethylpentane	3.4	0.70		ug/m3	1	2/6/2016 2:45:00 PM
4-ethyltoluene	2.7	0.74		ug/m3	1	2/6/2016 2:45:00 PM
Acetone	< 0.71	0.71		ug/m3	1	2/6/2016 2:45:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/6/2016 2:45:00 PM
Benzene	4.2	0.48		ug/m3	1	2/6/2016 2:45:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/6/2016 2:45:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/6/2016 2:45:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/6/2016 2:45:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/6/2016 2:45:00 PM
Carbon disulfide	0.40	0.47	J	ug/m3	1	2/6/2016 2:45:00 PM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	2/6/2016 2:45:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/6/2016 2:45:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/6/2016 2:45:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	2/6/2016 2:45:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	2/6/2016 2:45:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/6/2016 2:45:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/6/2016 2:45:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	2/6/2016 2:45:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/6/2016 2:45:00 PM
Ethyl acetate	< 0.90	0.90		ug/m3	1	2/6/2016 2:45:00 PM
Ethylbenzene	6.1	0.65		ug/m3	1	2/6/2016 2:45:00 PM
Freon 11	5.3	0.84		ug/m3	1	2/6/2016 2:45:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/6/2016 2:45:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/6/2016 2:45:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-3
Lab Order:	C1602017	**Tag Number:**	128.437
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	3.4	0.74		ug/m3	1	2/6/2016 2:45:00 PM
Heptane	< 0.61	0.61		ug/m3	1	2/6/2016 2:45:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/6/2016 2:45:00 PM
Hexane	< 0.53	0.53		ug/m3	1	2/6/2016 2:45:00 PM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	2/6/2016 2:45:00 PM
m&p-Xylene	29	13		ug/m3	10	2/6/2016 3:14:00 AM
Methyl Butyl Ketone	83	12		ug/m3	10	2/6/2016 3:14:00 AM
Methyl Ethyl Ketone	1300	240		ug/m3	270	2/12/2016 6:25:00 PM
Methyl Isobutyl Ketone	3.2	1.2		ug/m3	1	2/6/2016 2:45:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/6/2016 2:45:00 PM
Methylene chloride	3.5	0.52		ug/m3	1	2/6/2016 2:45:00 PM
o-Xylene	4.9	0.65		ug/m3	1	2/6/2016 2:45:00 PM
Propylene	< 0.26	0.26		ug/m3	1	2/6/2016 2:45:00 PM
Styrene	< 0.64	0.64		ug/m3	1	2/6/2016 2:45:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	2/6/2016 2:45:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/6/2016 2:45:00 PM
Toluene	38	5.7		ug/m3	10	2/6/2016 3:14:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/6/2016 2:45:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/6/2016 2:45:00 PM
Trichloroethene	< 0.81	0.81		ug/m3	1	2/6/2016 2:45:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/6/2016 2:45:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/6/2016 2:45:00 PM
Vinyl chloride	< 0.38	0.38		ug/m3	1	2/6/2016 2:45:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-4
Lab Order:	C1602017	**Tag Number:**	239.454
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-004A	**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	2/6/2016 4:00:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/6/2016 4:00:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/6/2016 4:00:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/6/2016 4:00:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	2/6/2016 4:00:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/6/2016 4:00:00 PM
1,2,4-Trimethylbenzene	13	7.4		ug/m3	10	2/6/2016 3:51:00 AM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/6/2016 4:00:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/6/2016 4:00:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/6/2016 4:00:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/6/2016 4:00:00 PM
1,3,5-Trimethylbenzene	5.9	0.74		ug/m3	1	2/6/2016 4:00:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/6/2016 4:00:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/6/2016 4:00:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/6/2016 4:00:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/6/2016 4:00:00 PM
2,2,4-trimethylpentane	2.8	0.70		ug/m3	1	2/6/2016 4:00:00 PM
4-ethyltoluene	7.0	0.74		ug/m3	1	2/6/2016 4:00:00 PM
Acetone	< 0.71	0.71		ug/m3	1	2/6/2016 4:00:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/6/2016 4:00:00 PM
Benzene	4.9	0.48		ug/m3	1	2/6/2016 4:00:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/6/2016 4:00:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/6/2016 4:00:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/6/2016 4:00:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/6/2016 4:00:00 PM
Carbon disulfide	0.56	0.47		ug/m3	1	2/6/2016 4:00:00 PM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	2/6/2016 4:00:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/6/2016 4:00:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/6/2016 4:00:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	2/6/2016 4:00:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	2/6/2016 4:00:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/6/2016 4:00:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/6/2016 4:00:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	2/6/2016 4:00:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/6/2016 4:00:00 PM
Ethyl acetate	< 0.90	0.90		ug/m3	1	2/6/2016 4:00:00 PM
Ethylbenzene	12	6.5		ug/m3	10	2/6/2016 3:51:00 AM
Freon 11	2.0	0.84		ug/m3	1	2/6/2016 4:00:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/6/2016 4:00:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/6/2016 4:00:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-4
Lab Order:	C1602017	**Tag Number:**	239.454
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-004A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	27	7.4		ug/m3	10	2/6/2016 3:51:00 AM
Heptane	12	6.1		ug/m3	10	2/6/2016 3:51:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/6/2016 4:00:00 PM
Hexane	< 0.53	0.53		ug/m3	1	2/6/2016 4:00:00 PM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	2/6/2016 4:00:00 PM
m&p-Xylene	42	13		ug/m3	10	2/6/2016 3:51:00 AM
Methyl Butyl Ketone	52	12		ug/m3	10	2/6/2016 3:51:00 AM
Methyl Ethyl Ketone	640	240		ug/m3	270	2/12/2016 7:01:00 PM
Methyl Isobutyl Ketone	2.3	1.2		ug/m3	1	2/6/2016 4:00:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/6/2016 4:00:00 PM
Methylene chloride	3.0	0.52		ug/m3	1	2/6/2016 4:00:00 PM
o-Xylene	10	6.5		ug/m3	10	2/6/2016 3:51:00 AM
Propylene	< 0.26	0.26		ug/m3	1	2/6/2016 4:00:00 PM
Styrene	< 0.64	0.64		ug/m3	1	2/6/2016 4:00:00 PM
Tetrachloroethylene	1.3	1.0		ug/m3	1	2/6/2016 4:00:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/6/2016 4:00:00 PM
Toluene	52	5.7		ug/m3	10	2/6/2016 3:51:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/6/2016 4:00:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/6/2016 4:00:00 PM
Trichloroethene	< 0.81	0.81		ug/m3	1	2/6/2016 4:00:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/6/2016 4:00:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/6/2016 4:00:00 PM
Vinyl chloride	< 0.38	0.38		ug/m3	1	2/6/2016 4:00:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-5
Lab Order:	C1602017	**Tag Number:**	318.432
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-005A	**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	2/6/2016 5:15:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/6/2016 5:15:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/6/2016 5:15:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/6/2016 5:15:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	2/6/2016 5:15:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/6/2016 5:15:00 PM
1,2,4-Trimethylbenzene	4.3	0.74		ug/m3	1	2/6/2016 5:15:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/6/2016 5:15:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/6/2016 5:15:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/6/2016 5:15:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/6/2016 5:15:00 PM
1,3,5-Trimethylbenzene	2.0	0.74		ug/m3	1	2/6/2016 5:15:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/6/2016 5:15:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/6/2016 5:15:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/6/2016 5:15:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/6/2016 5:15:00 PM
2,2,4-trimethylpentane	4.0	0.70		ug/m3	1	2/6/2016 5:15:00 PM
4-ethyltoluene	2.3	0.74		ug/m3	1	2/6/2016 5:15:00 PM
Acetone	< 0.71	0.71		ug/m3	1	2/6/2016 5:15:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/6/2016 5:15:00 PM
Benzene	9.3	4.8		ug/m3	10	2/6/2016 4:28:00 AM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/6/2016 5:15:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/6/2016 5:15:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/6/2016 5:15:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/6/2016 5:15:00 PM
Carbon disulfide	1.4	0.47		ug/m3	1	2/6/2016 5:15:00 PM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	2/6/2016 5:15:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/6/2016 5:15:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/6/2016 5:15:00 PM
Chloroform	1.3	0.73		ug/m3	1	2/6/2016 5:15:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	2/6/2016 5:15:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/6/2016 5:15:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/6/2016 5:15:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	2/6/2016 5:15:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/6/2016 5:15:00 PM
Ethyl acetate	< 0.90	0.90		ug/m3	1	2/6/2016 5:15:00 PM
Ethylbenzene	6.9	0.65		ug/m3	1	2/6/2016 5:15:00 PM
Freon 11	1800	220		ug/m3	270	2/12/2016 7:38:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/6/2016 5:15:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/6/2016 5:15:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-5
Lab Order:	C1602017	**Tag Number:**	318.432
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-005A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	10	0.74		ug/m3	1	2/6/2016 5:15:00 PM
Heptane	12	6.1		ug/m3	10	2/6/2016 4:28:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/6/2016 5:15:00 PM
Hexane	< 0.53	0.53		ug/m3	1	2/6/2016 5:15:00 PM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	2/6/2016 5:15:00 PM
m&p-Xylene	30	13		ug/m3	10	2/6/2016 4:28:00 AM
Methyl Butyl Ketone	80	12		ug/m3	10	2/6/2016 4:28:00 AM
Methyl Ethyl Ketone	840	240		ug/m3	270	2/12/2016 7:38:00 PM
Methyl Isobutyl Ketone	3.0	1.2		ug/m3	1	2/6/2016 5:15:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/6/2016 5:15:00 PM
Methylene chloride	3.3	0.52		ug/m3	1	2/6/2016 5:15:00 PM
o-Xylene	5.1	0.65		ug/m3	1	2/6/2016 5:15:00 PM
Propylene	< 0.26	0.26		ug/m3	1	2/6/2016 5:15:00 PM
Styrene	< 0.64	0.64		ug/m3	1	2/6/2016 5:15:00 PM
Tetrachloroethylene	2.0	1.0		ug/m3	1	2/6/2016 5:15:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/6/2016 5:15:00 PM
Toluene	44	5.7		ug/m3	10	2/6/2016 4:28:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/6/2016 5:15:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/6/2016 5:15:00 PM
Trichloroethene	< 0.81	0.81		ug/m3	1	2/6/2016 5:15:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/6/2016 5:15:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/6/2016 5:15:00 PM
Vinyl chloride	< 0.38	0.38		ug/m3	1	2/6/2016 5:15:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	Trip Blank
Lab Order:	C1602017	**Tag Number:**	88
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-006A	**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	2/6/2016 1:25:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/6/2016 1:25:00 AM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/6/2016 1:25:00 AM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/6/2016 1:25:00 AM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	2/6/2016 1:25:00 AM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	2/6/2016 1:25:00 AM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/6/2016 1:25:00 AM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/6/2016 1:25:00 AM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/6/2016 1:25:00 AM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/6/2016 1:25:00 AM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/6/2016 1:25:00 AM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	2/6/2016 1:25:00 AM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/6/2016 1:25:00 AM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/6/2016 1:25:00 AM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/6/2016 1:25:00 AM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	2/6/2016 1:25:00 AM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	2/6/2016 1:25:00 AM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	2/6/2016 1:25:00 AM
Acetone	< 0.71	0.71		ug/m3	1	2/6/2016 1:25:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/6/2016 1:25:00 AM
Benzene	< 0.48	0.48		ug/m3	1	2/6/2016 1:25:00 AM
Benzyl chloride	< 0.86	0.86		ug/m3	1	2/6/2016 1:25:00 AM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/6/2016 1:25:00 AM
Bromoform	< 1.6	1.6		ug/m3	1	2/6/2016 1:25:00 AM
Bromomethane	< 0.58	0.58		ug/m3	1	2/6/2016 1:25:00 AM
Carbon disulfide	< 0.47	0.47		ug/m3	1	2/6/2016 1:25:00 AM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	2/6/2016 1:25:00 AM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/6/2016 1:25:00 AM
Chloroethane	< 0.40	0.40		ug/m3	1	2/6/2016 1:25:00 AM
Chloroform	< 0.73	0.73		ug/m3	1	2/6/2016 1:25:00 AM
Chloromethane	< 0.31	0.31		ug/m3	1	2/6/2016 1:25:00 AM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/6/2016 1:25:00 AM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/6/2016 1:25:00 AM
Cyclohexane	< 0.52	0.52		ug/m3	1	2/6/2016 1:25:00 AM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/6/2016 1:25:00 AM
Ethyl acetate	< 0.90	0.90		ug/m3	1	2/6/2016 1:25:00 AM
Ethylbenzene	< 0.65	0.65		ug/m3	1	2/6/2016 1:25:00 AM
Freon 11	< 0.84	0.84		ug/m3	1	2/6/2016 1:25:00 AM
Freon 113	< 1.1	1.1		ug/m3	1	2/6/2016 1:25:00 AM
Freon 114	< 1.0	1.0		ug/m3	1	2/6/2016 1:25:00 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: *15-Feb-16*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	Trip Blank
Lab Order:	C1602017	**Tag Number:**	88
Project:	Queens Boulevard	**Collection Date:**	2/3/2016
Lab ID:	C1602017-006A	**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	2/6/2016 1:25:00 AM
Heptane	< 0.61	0.61		ug/m3	1	2/6/2016 1:25:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	2/6/2016 1:25:00 AM
Hexane	< 0.53	0.53		ug/m3	1	2/6/2016 1:25:00 AM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	2/6/2016 1:25:00 AM
m&p-Xylene	< 1.3	1.3		ug/m3	1	2/6/2016 1:25:00 AM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	2/6/2016 1:25:00 AM
Methyl Ethyl Ketone	< 0.88	0.88		ug/m3	1	2/6/2016 1:25:00 AM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	2/6/2016 1:25:00 AM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	2/6/2016 1:25:00 AM
Methylene chloride	< 0.52	0.52		ug/m3	1	2/6/2016 1:25:00 AM
o-Xylene	< 0.65	0.65		ug/m3	1	2/6/2016 1:25:00 AM
Propylene	< 0.26	0.26		ug/m3	1	2/6/2016 1:25:00 AM
Styrene	< 0.64	0.64		ug/m3	1	2/6/2016 1:25:00 AM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	2/6/2016 1:25:00 AM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	2/6/2016 1:25:00 AM
Toluene	< 0.57	0.57		ug/m3	1	2/6/2016 1:25:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/6/2016 1:25:00 AM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/6/2016 1:25:00 AM
Trichloroethene	< 0.81	0.81		ug/m3	1	2/6/2016 1:25:00 AM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/6/2016 1:25:00 AM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/6/2016 1:25:00 AM
Vinyl chloride	< 0.38	0.38		ug/m3	1	2/6/2016 1:25:00 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		